LG Electronics Inc.

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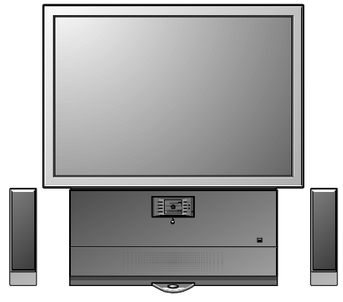
COLOR TV
SERVICE MANUAL

CHASSIS : MP-015A

MODEL : PE/PL-43/48/53A82T

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



P/NO : 3828VD0096A

Sep.,2001
Printed in Korea

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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the Picture Tube.
For continued X-RAY RADIATION protection, the replacement tube must be the same type tube as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.
Measure the high voltage.
The meter reading should indicate
23.5 ¡ 1.5KV: 14-19 inch, 26 ¡ 1.5KV: 19-21 inch,
29.0 ¡ 1.5KV: 25-29 inch, 30.0 ¡ 1.5KV: 32 inch
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

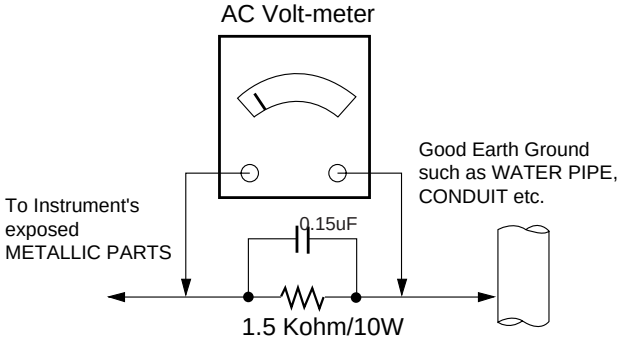
Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.
NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
      CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".
3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemicals on or near this receiver or any of its assemblies.
5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
9. *Use with this receiver only the test fixtures specified in this service manual.*
   CAUTION: Do not connect the test fixture ground strap to any heatsink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices.* Examples of typical ES devices are integrated circuits and some fieldeffect transistors and semicounductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficent to demage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a repalcement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the ieads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the bruching together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintan tip temperature within the range or 500 ¡ÆF to 600 ¡ÆF.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thorohly clean the surfaces to be soldered. Use a mall wirebristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500 ¡ÆF to 600 ¡ÆF)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuiboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500 ¡ÆF to 600 ¡ÆF)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

c. Qulckly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
CAUTION: Work quickly to avoid overheating the circuit board printed foil.

d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in parapraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit boare.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heatsink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicula y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involoves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

- **Video input system:**
  Multi 26 System
  (Refer to Table 1)

- **Intermediate Frequency**
  Vision IF : 38.9MHz
  Color IF : 34.47MHz *SECAM : (38.9-4.25MHz
  35.32MHz(M) 38.9-4.40625MHz
  Sound IF : 33.4MHz(B/G)
  32.9MHz(I)
  32.4MHz(D/K,K1)
  34.4MHz(M)

- **Tuning range**

Band	For TV				For CATV
	B/G	D/K	I/I	NTSC	
VHF-Low	Ch2-4	Ch1-5		Ch2-13	S1'-S3', S1
VHF-High	Ch5-12	Ch6-12	Ch4-13		S2-S10, S11-S20
Hyper					S21-S41
UHF	Ch21-69			Ch14-69	

- **OSD (On Screen Display):**
  EZ Menu Method

- **Antenna input impedance:** VHF/UHF 75ohm, Unbalanced

- **Voice coil impedance :** 8 ohm

- **External connections :**
  AV Input : V/L/R : 1 (Side)
  V/L/R : 2 (Rear,PT-)
  AV Output : V/L/R : 1 (Rear,PT-)
  Component Input : Component 1 :480i/L/R
  Component 2:480p/L/R
  S-VIdeo Input : Y/C : 2 (Side 1,Rear 1)
  Scart : Full Scart(With RGB Input) : 1
  Half Scart : 1 (AV In/Out)
  Half Scart : 1 (AV In/YC In)

	Specifications
Video in/out	1Vp-p¡ 3dB, 75ohm
Audio in (2 way)	0.63Vrms¡ 3dB, over 10Kohm
Audio out (2 way)	0.5Vrms¡ 3dB, below 1Kohm

- **Power requirements :**
  110-240 Vac, 50/60HZ(PT-)
  230 Vac, 50HZ(PE/PL-)

- **Power consumption :**
  250 Wmax.

- **Tuning system :**
  FVS 100 Program Memory(With Teletext Model)
  FVS 200 Program Memory(W/O Teletext Model)

- **Sound output :**
  R,L Out : 10 W+10W(48,53"),20W+20W(43")
  Center : 10W(Option)
  SL/SR : 5W+5W (Option)

- **Function :**
  Turbo Sound/Picture
  PSM
  SSM
  Auto Sleep

  CATV/Hyper band
  Teletext (TOP/FLOF/LIST)-Option
  Multi Window PIP

- **Features**
  Picture quality improvement circuit
  - YNR (Luminance Noise Reduction)
  - Picture Outline Compensation
  - Digital Comb Filter
  - Color Transition Improvement
  - Dynamic S-VM
  - Black Stretcher
  - Digital Eye
  - Digital Convergence
  - Digital 100Hz & Progressive
  - Digital Index
  - Dvd Input

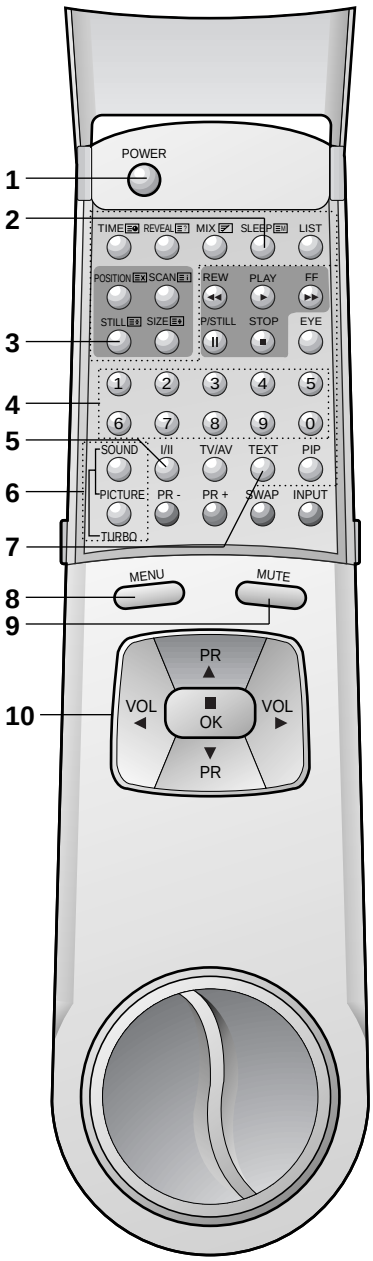
  Sound quality improvement circuit
  - Pro Logic(48,53")/ Virtual(43")
  - Equalizer

Table 1 : Receiving System (26 System)

No	Receiving System	Function	Receiving Channel
1	PAL-B	Reception of broadcast and play-back for Video Tape Recorder	VHF Band PAL/SECAM-B : 2-12 PAL/SECAM-D : 1-12 SECAM-K1 : 2-9 NTSC-M (US) : 2-13 NTSC-M (JAPAN) : 1-12 UHF Band PAL/SECAM-G : 21-69 PAL-I : 21-69 SECAM-K : 21-69 PAL-K : 13-56 NTSC-M (US) : 14-78 NTSC-M (JAPAN) : 13-62
2	PAL-G		
3	PAL-I		
4	PAL-D		
5	PAL-K		
6	SECAM-B		
7	SECAM-G		
8	SECAM-D		
9	SECAM-K		
10	SECAM-K1		
11	NTSC-M		
12	NTSC 4.43/5.5MHZ	Play-back for special Video Tape Recorder	
13	NTSC 4.43/6.0MHZ		
14	NTSC 4.43/6.5MHZ		
15	SECAM-I (6.0MHZ)		
16	SECAM-L (Video In)		
17	NTSC 3.58/4.5MHZ/50HZ	Play-back for special Video tape/Video disk player	
18	PAL 5.5MHZ/60HZ		
19	PAL 6.0MHZ/60HZ		
20	PAL 6.5MHZ/60HZ		
21	SECAM 5.5MHZ/60HZ		
22	SECAM 6.0MHZ/60HZ		
23	SECAM 6.5MHZ/60HZ		
24	NTSC 3.58/5.5MHZ	Play-back for special Video Tape Recorder	
25	NTSC 3.58/6.0MHZ		
26	NTSC 3.58/6.5MHZ		

CONTROLS DESCRIPTION

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.



Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.

1. **POWER**
   switches the set on from standby or off to standby.

2. **SLEEP**
   sets the sleep timer.

3. **STILL**
   freezes motion of the picture.

4. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.

5. **I/II**
   selects the language during dual language broadcast.
   selects the sound output. (option)

6. **TURBO SOUND BUTTON**
   selects Turbo sound.
   TURBO PICTURE BUTTON
   selects Turbo picture.

7. **TELETEXT BUTTONS (option)**
   These buttons are used for teletext.
   For further details, see the ‘Teletext’ section.

8. **MENU**
   selects a menu.

9. **MUTE**
   switches the sound on or off.

10. **D / E (Programme Up/Down)**
    selects a programme or a menu item.
    switches the set on from standby.
    F / G (Volume Up/Down)
    adjusts the volume.
    adjusts menu settings.
    OK
    accepts your selection or displays the current mode.

11. LIST
displays the programme table.

12. VCR BUTTONS
control a LG video cassette recorder.

13. EYE
switches the eye function on or off.

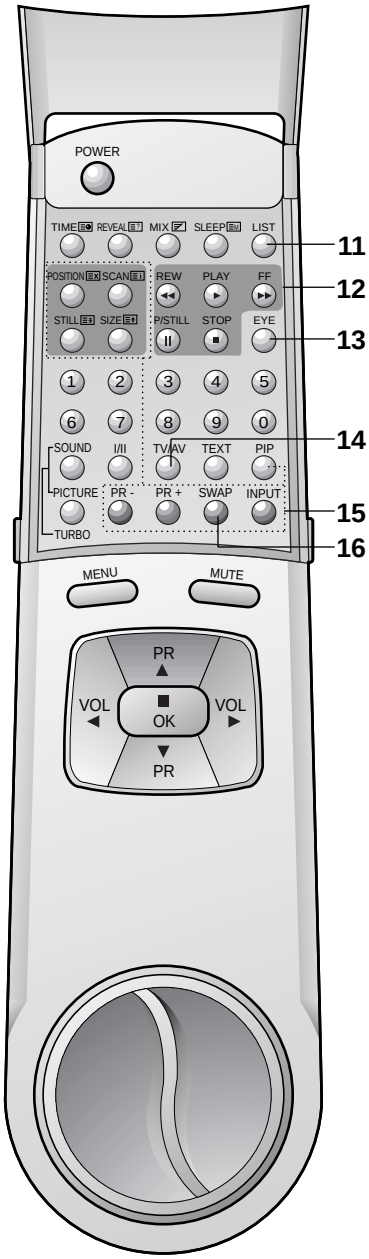
14. TV/AV
selects TV or AV mode.
clears the menu / text from the screen.
switches the set on from standby.

15. PIP BUTTONS

PIP
switches the sub picture on or off.
PR +/–
selects a programme for the sub picture.
SWAP
alternates between main and sub picture.
INPUT
selects the input mode for the sub picture.
SIZE
adjusts the sub picture size.
STILL
freezes motion of the sub picture.
POSITION
relocates the sub picture in clockwise direction.
SCAN
switches on or off the programme scan mode through 12 sub pictures.

16. SWAP
returns to the previously viewed programme.

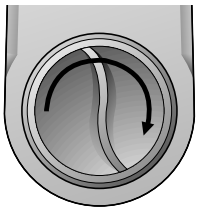
Note : *In teletext mode, the **PR +/–**, **SWAP** and **INPUT** buttons are used for teletext function.*



Internal generator charge

The remote control handset can be charged with the internal electric generator. To charge the remote control handset do the followings;

1. In first use,
   20 rotation of the handle in the arrow direction as picture below -> waiting for one minute -> 20 rotation again -> waiting for one minute again -> 20 rotation again -> beginning to use
2. In usual use
   5 or 6 rotation -> resuming to use

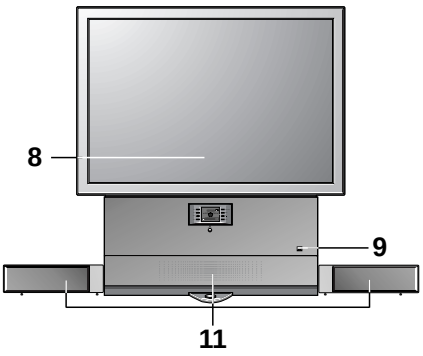


Note : *Do not rotate the handle too rapidly for the protection of the remote control handset.*

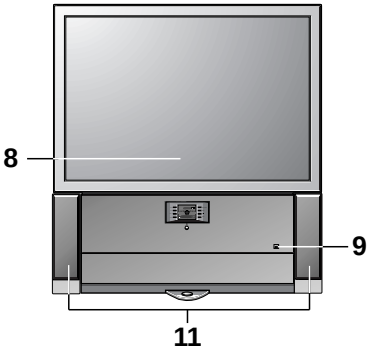
Location and function of controls

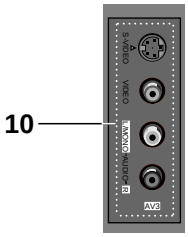
Front panel

- **PT-48/53A82 series**



- **PT-43A82 series**





(Side panel)

1. **MAIN POWER (ON/OFF)**
   switches the set on or off.

2. **F / G (Volume Up/Down)**
   adjusts the volume.
   adjusts menu settings.
   D / E (Programme Up/Down)
   selects a programme or a menu item.
   switches the set on from standby.

3. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby mode.
   dims when the set is switched on.

4. **DIGITAL INDEX**
   displays information which is input to the set with three different brightness.

5. **MENU**
   selects a menu.

6. **OK**
   accepts your selection or displays the current mode.

7. **TV/AV**
   selects TV or AV mode.
   clears the menu / text from the screen.
   switches the set on from standby.

8. **REMOTE CONTROL SENSOR**

9. **EYE (option)**
   adjusts picture according to the surrounding conditions.

10. **AUDIO/VIDEO IN SOCKETS (AV3)**
    Connect the audio/video out sockets of external equipment to these sockets.
    S-VIDEO/AUDIO IN SOCKETS (S-AV)
    Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket.
    Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3**.

11. **CENTRE SPEARKER (PT-48/53A82 series only)**

    LEFT/RIGHT LOUD-SPEARKERS
    Only in PT-48/53A82 series model, the left/right loud-speakers are detachable and need to be connected to the **SPEAKER OUT** sockets on the back panel of the set as indicated by red (+) and black (-) knobs.
    Note : *Before placing the speakers, screw the speaker legs to the holes on them.*

* **CASTERS (on the bottom)**
turn and move the set easily.

ADJUSTMENT INSTRUCTIONS

Caution :

1.Because this is not a hot chassis, it is not necessary to use an isolation transformer.
However, the use of isolation transformer will help protect test instrument.
2.Adjustment must be done in the correct order.
3.The receiver must be operated for about 60 minutes proir to the adjustment.
Pre-heatrun must be operated receiving moving pictures or 100% white pattern.

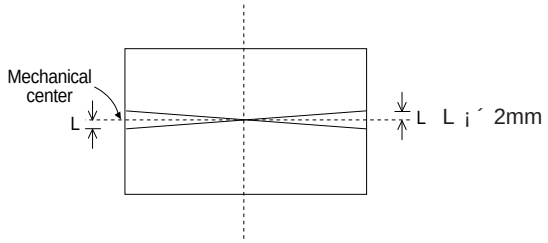
o Raster Slant/Focus Adjustment

1. Preliminary steps

1) The lens focus and electrical focus must be provisional alignment.
2) Tune the TV set to receive a EU 05 CH.
3) Press the buttons of Remote Controller for adjustment (SVC$ [≡M] $ 5$ OK$ [≡M]) to reset the convergence.

2. Adjustment

1) Set only green to be appeared on the screen.
2) Carefully rotate the DY of the green CRT so that the slant of raster become the following figure.



3) Set two color (R or B and G) to be appeared on the screen.
4) Set the slant of Red or Blue correspond to the green.

Note) 1. Tighten the tightening iron after loose completely. tighten iron which fixing DY when adjusting raster slant and set position.
2. Never control to the tightening iron which fixed, it's condition is not untied.

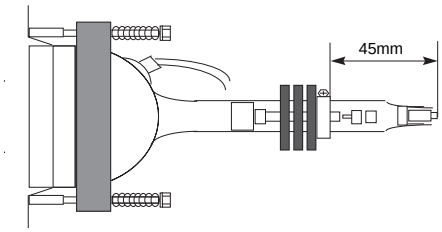
o Beam Alignment Adjustment

1. Test Equipment

Signal Generator can produce DOT pattern

2. Preliminary steps

1) Heat run over 60 minutes.
2) Pre-adjust Raster slope,Raster position & Lens focus.
3) Check if the Magnet is located 45mm from the end of CRT.
4) Receive DOT pattern.

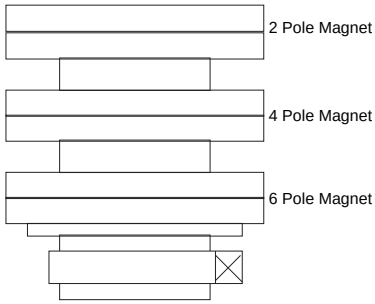


3. 2-Pole Magnet Adjustment

1) Make Green raster using lens cover.
2) Check the center position of DOT pattern on the center of the screen after turning Green focus volume left.
3) Turning green focus volume right and adjust 2-Pole magnet so the position to coincide that of item 2).
4) Ajust not to shift the screen by turning green focus volume left & right.
5) If the screen shifts, readjust 2)~4).
6) Do the same method in Red and Blue. Here, be careful not to be stained.

4. Beam Shape (4 & 6-Pole Magnet) Adjustment

1) Do after 2-Pole magnet adjustment.
2) Make Green raster using lens cover and turn the focus volume right.
3) Make the dot in the center a perfect circle using 4 & 6-Pole magnet.
4) Do the same method in Red & Blue.
5) Fasten the Magnet after adjustment.
6) Adjust focus accurately.



o Centering Magnet Adjustment

1. Preliminary steps

1) Tune the TV set to receive a EU 05 CH.
2) Press the buttons of Remote Controller for adjustment (SVC$ [≡M] $ 5¡ OK$ [≡M]) to reset the convergence.

2. Adjustment

1) LG Convergence assy

Make green raster using lens cover and coincide horizontal/vertical center lines of pattern with those of screen.

2) SGS-THOMSON Convergence assy

Adjust until the center of blue signal is shifted upto 30mm left from that of green signal and center of red signal is shifted upto 30mm right from that of green signal with turning the centring magnet.

3) After adjusting, recover original convergence data.

o High Voltage Regulation Adjustment

1. Test Equipment
Digital Multi-Meter(DMM)

2. Preliminary steps
1) Switch picture mode to STANDARD in no signal input.

3. Adjustment
1) Connect "+" terminal(Red) of DMM to the Anode of D432 and "-" terminal(Black) to the Heat Sink of Q406.
2) Adjust VR401 so that the D432 terminal voltage is 21.3±0.1V.

o CUT-OFF Adjustment
1) Press the "SVC" button and then press the "≡/" button on the remote controller for adjustment to display horizontal line.(Even though you enter into the SVC mode, the horizontal line might not be seen according to the position of Screen Volume.)
2) Adjust Screen Volume (R/G/B) in Focus Pack until brightness of red/blue/green horizontal line is about not to be seen.(At this moment, brightness of red, blue or green horizontal line should be equal to one another.)
3) Exit the adjustment mode by pressing the "≡/" button.

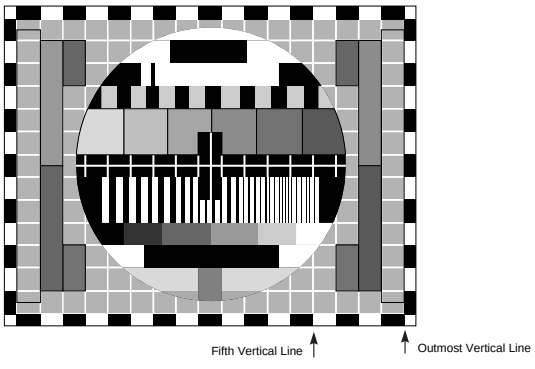
o Deflection Adjustment

1. Preliminary steps
1) Adjust differently based on input signal such as NTSC or PAL.
2) NTSC adjustment should be done in STANDARD mode of picture after receving 13CH signal,and PAL adjustment should be done in STANDARD mode of picture after receving EU05 CH.
3) Reset the data in convergence adjustment mode,quit the mode.
   Convergence Mode : SVC, [≡M]
   Data reset : 5 , OK
   Adjustment mode out : [≡M]

2. PAL Mode Deflection Adjustment
1) At SVC mode,press the YELLOW key get into the deflection adjustment mode.

2) VS (Vertical Shift)
Adjust until geometric vertical certer line of the screen is accord with the vertical center line of the screen JIG at EU 05 CH by pressing the VOLUME F ,G button.

3) VA (Vertical Amplitude)
Adjust until fifth vertical line from upper and lower center of the screen is accord with the edge of the frame.



4) HS (Horizontal Shift)
Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

5) EW (East-west Width)
Adjust until the outermost left and right vertical line of the screen is accord with the edge of the frame.

6) EP (East-west Parabolar)
Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

7) ET(East-west Trapezium)
Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

8) A-ANG(AFC Angle)

9) A-BOW(AFC BOW)

10) U-C(Upper Cotner Pincushion)

11) L-C(Lower Cotner Pincushion)

12) U-VL(Upper Vertical Linearity)

13) L-VL(Lower Vertical Linearity)

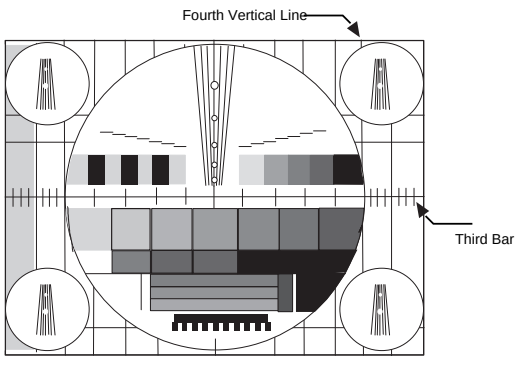
14) VL (Vertical Linearity)
Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT.

15) SC (Vertical "S" Correction)
Adjust so that all distance between each horizontal lines are to be the same.

16) V-ASP(Vertical Aspect Ratio)
Adjust the vertical aspect ratio.

17) Store the adjusted data in EEPROM by pressing the "OK" button before exiting adjustment mode.
18) Restore the convergence correction data by pressing the "TV/AV" button before exiting adjustment mode

3. NTSC Mode Deflection Adjustment
1) Adjust vertical size (VA Adjustment) until fourth vertical bar from upper and lower center screen is accord with the edge of the frame.
2) Adjust horizontal size (EW Adjustment) until third bar to indicate horizontal size of circle is accord with the edge of the frame.
3) Do other adjustments the same as in PAL mode.

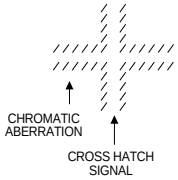


o Lens Focus & Electronic Focus Adjustment

1. Preliminary steps

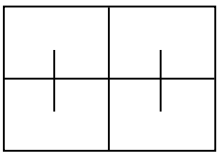
1) Electronic focus,Raster slope & Raster position must be pre-adjusted.
2) Heat-run over 60 minutes.
3) Receive Crosshatch pattern.
4) Adjustment must be operated in a dark room(simple dark room) and pay attention not to touch the lens during adjustment.
5) Screen the optional two lens with a cover so that the single color is appeared on the screen.
6) When turn the light the lens at front, chromatic aberration which appeared in bright line of cross-Hatch signal changed as below.

Lens	Change of chromatic aberration
Red	Orange ¤AScarlet
Green	Blue ¤ARed
Blue	Purple ¤AGreen



2. G-lens Adjustment

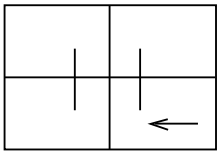
1) Turn the lens until the chromatic aberration changed Blue to Red point.
2) Viewing the all screen, in no case of the chromatic aberration appeared slimly within 3.5 cross-Hatch of the picture center. At this time, in case that the red chromatic aberration's bright line isn't equal, adjust G-lens so that the red chromatic aberration is appeared more than previous time.



3) Switching the signal to 13CH and operate adjustment minutely.
4) Adjust G-focus control volume of focus pack so that the external big circle's part appeared cleary.
5) Adjust accurately by repeat the upper control.
6) Especially, noting to the G-light because it influenced on picture's function.

3. R-lens Adjustment

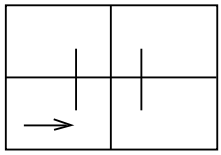
1) Turn the lens until the chromatic aberration changed orange to scarlet.
2) Adjust the chromatic aberration so that it located center correctly.
3) Switching the signal to 13CH and adjust it as same method of G-lens.



4) Adjust as same method of G-lens with Red focus control volume of focus pack.

4. B- lens Adjustment

1) Turn the lens until the chromatic aberration changed purple to green which of 3.5 Cross-Hatch part from picture's center toward left.



2) Adjust the chromatic aberration become center of purple and green.

Note) After adjustment Red,Green & Blue lens, remove lens cover and receive Cross-Hatch pattern and check the overall focus. If need, repeat above.

o Convergence Adjustment

1. Preliminary steps

1) This adjustment should be performed after raster slant, raster position, horizontal and vertical adjustment.
2) This adjustment should be performed after warming up 60 minutes.
3) Do it always with crosshatch pattern.
4) Adjust for both PAL and NTSC system.
5) Use the jig screen with the cross hatch pattern for each mode.

2. Convergence Key

1) Convergence Mode : SVC, ☰M
2) Cursor shift : F , G , D ,E
3) Cursor Movement/Adjustment Selection : OK
4) Cursor Color Selection : TV/AV
5) Adjustment mode out : ☰M

Note) When cursor flickers, its adjustment mode, and when quiescent, its cursor movement mode.

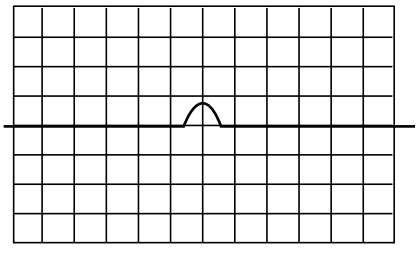
o Mode Adjustment

1. Preliminary steps

Press the buttons SVC & ☰M of Remote Controller for adjustment to get into the convergence adjustment mode.

2. Horizontal/Vertical phase Adjustment

1) Press the buttons 9 & 5 to get into the phase adjustment mode.
2) Horizontal Phase Adjustment.
Press the volume F /G button and move the convex part to the middle of TV screen.



3) Vertical Phase Adjustment
Press the channel D /E button and move the convex part to the middle of TV screen.
4) Press the OK button to escape from the adjustment.

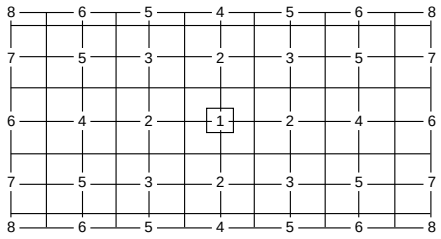
3. Pattern Position Adjustment

1) Change into pattern shift mode.
   (Press numeric buttons “9” & “4”)
2) Make sure to overlap pattern and image.
   (Use MUTE button)
3) Accord the center of image and pattern.
   (Use F , G , D , E buttons)
4) Quit pattern shift mode. (Press “OK” button)
5) Save adjusted phase/pattern position adjustment mode.(Press “9”, “2” & “OK” buttons)

4. Green Convergence Adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to green(G) adjustment mode with pressing TV/AV button.
2) Close the cover of red CRT and blue CRT so that green display on screen only.
3) Adjust to coincide green pattern with screen jig pattern.
   (Use F , G , D , E buttons)

Move cursor and adjust convergence in same way with item 3).
Here, do it in the same order from center listed in figure.



5. Red Convergence adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to red(R) adjustment mode with pressing TV/AV button.
2) If the need arises,close the cover of the blue lens.
3) Coincide the red screen with the green screen in same way with that of green convergence adjustment.

6. Blue Convergence adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to blue(B) adjustment mode with pressing TV/AV button.
2) Coincide the blue screen with the green screen in same way with that of red convergence adjustment.

7. Adjusted Data saving

1) Save the data after adjustment.
   (Press “9”, “1” & “OK” button)
2) Quit convergence adjustment mode. (“ ≡M ” button)

o White Balance Adjustment

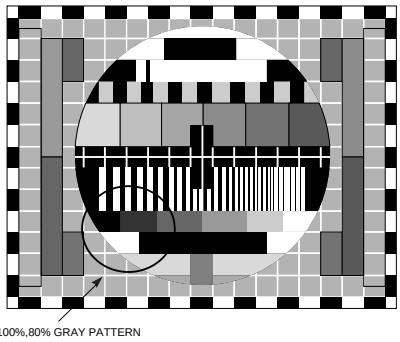
1. Test Equipment

Brightness meter(CA110),Pattern Generator(Window Pattern)

2. Adjustment

1) This adjustment must be operated in a dark room or equivalent.
2) Adjust after Cut-Off and Focus adjustment.
3) The brightness meter must be located in 20¡ 5cm distance from the center of the screen.
4) Receive WINDOW signal.
5) Set BRIGHT to H/Light adjustment mode in 4) and enter SVC mode by pressing the “SVC” button. Adjust RG (R Gain) and BG (B Gain) until color coordinate becomes X=0.280 and Y=0.300 (Deviation : !0.01).
6) Set BRIGHT to L/Light adjustment mode and adjust CR (R Cut Off) and CB (B Cut Off) until color coordinate becomes X=0.282 and Y=0.286 (Deviation : !0.01).
7) Repeat adjusting until the color coordinate of H/Light and L/Light is satisfied.
8) Save the data after adjustment.
   (Press “OK” button)
9) Quit adjustment mode. (“ TV/AV ” button)

o SUB-BRIGHT Adjustment



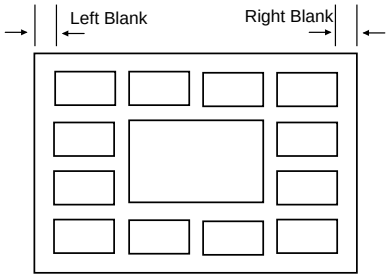
1) Tune the TV set to receive a EU 05 CH.
2) Enter SVC mode by pressing the “SVC” button. Adjust S-BRI data until 100% and 80% GRAY PATTERN is classified.
   (Use F , G , D , E , ENTER buttons)

o DVCO Adjustment

1) Tune the TV set to receive a EU 05 CH.
2) Enter the adjustment mode by pressing SVC button of Remote Controller for adjustment,then select DVCO menu.
   Operate auto adjustment with VOLG button.
   If DVCO data is changed,auto adjustment has finished.
3) After finishing DVCO adjustment,save the data by pressing OK button.

o PIP POSITION Adjustment

1) After receiving a PAL signal,show the multi-picture scan screen on screen with pressing WD2 9/4PIP button.
2) Check the left,right blank on SCAN screen.(May be 20±5mm)



3) If the left,right blank isn’t 20±5mm and symmetry,enter the adjustment mode by pressing SVC button of Remote Controller for adjustment and select service adjustment mode 5 by pressing YELLOW button.
4) Adjust M-HOR and M-VER to symmetry of left,right blank in service adjustment mode 5.
5) When finishing adjustment,save the data by pressing OK button.

o SVC Adjustment mode & Initial data

1. White Blalane adjustment data (IC:CXA2100)

Menu	Description	Range	Default
RD	Red Drive		12
GD	Green Drive		1F
BD	Blue Drive		19
RC	Red Cut-off		0C
GC	Green Cut-off		3F
BC	Blue Cut-off		19
S-BRI	Sub BRIGHT		1A
DVCO	Digital VCO		

2. Deflection adjustment data (IC:CXA2100)

Menu	Description	Range	Default	
			PAL	NTSC
VS	Vertical Shift		11	10
VA	Vertical Amp		10	13
HS	Horizontal Shift		1A	2A
EW	East-West Width		1D	1E
EP	East-West Parabola		1E	20
ET	East-West Trapezium		6	6
U-C	UP Corner Pincushion		11	11
L-C	LO Corner Pincushion		11	11
U-VL	UP Vertical LIneality		C	D
L-VL	LO Vertical LIneality		5	7
VL	Vertical LIneality		6	6
A-ANG	AFC Angle		7	7
A-BOW	AFC Bow		7	7
SC	Vertical S-Correction		3	3
V-ASP	Aspect ratio control		1F	1F

3. Picture adjustment data (IC:CXA2100)

Menu	Description	Range	Default
D-COL	Dynamic Color ON/OFF		1
COLAX	Color matrix		2
DCOL	Dynamic Color Temperate		1
LIMLE	RGB Amplitude Limiter Level		1
CTILE	CTI Level		1
GAMMA	GAMMA correction		2
LTILE	LTI Level		1
BLKBO	RGB Bottom LImiter Level		0
ABLTH	ABL threshold		3
ABLMO	ABL Mode		3
VM-LE	VM Level		1
PREOV	Pre/Over-Shoot Control		3
DPIC	Auto Pedestal level		1
DC-TR	DC transmission control		3
LRGB2	RGB2 output level control		A
DL-PA	DElay Line switching		0
SHPF0	Sharpness f0		1
CB-F1	INput1 CB signal DC Offset		7
CR-F1	INput1 CR signal DC Offset		4
CB-F2	INput2 CB signal DC Offset		7
CR-F2	INput2 CR signal DC Offset		4
VCOMP	A-SAW output gain control		0
EW-DC	EW output DC level		1
AKBT2	AKB time shift		0
HCOMP	EW output DC control		0
VBLKW	VBLK width control		0
LE-BL	Left HBLK width control		37
RI-BL	Right HBLK width control		1B
S-CON	Sub contrast		A
P-ABL	PEAK ABL		C

4. Sound adjustment data (IC:MSP3452)

Menu	Description	Range	Default
FM	FM Prescaler		1B
NP	NICAM Prescaler		73
SP	SCART Prescaler		18
S1 VOL	SCART 1 Volume		50
S2 VOL	SCART 2 Volume		50
MDB-ST	MDB Effect Bass Strength		24
MDB-LIM	MDB Amplitude Limit		FD
MDB-HMC	MDB Harmonic Content		64
MDB-LP	MDB Low Pass		09
MDB-HP	MDB High Pass		06

5. Picture adjustment data (IC:SDA9410)

Menu	Description	Range	Default
VDEM	Vsync input delay(main)		13
NRY	Temporal Noise Reduction of Y		0e
NRC	Temporal Noise Reduction of C		0a
NRKY			00
NRKC			00
ODELM	Output Processing delay master		Aa
VDELS	Vsync input delay(sub)		13
FSEL	Filter Select		3
RF AGC	RF AGC Level		A2
M-HOR	Horizontal PIP Position		7
M-VER	Vertical PIP Position		7

6.OPTION Data Adjustment

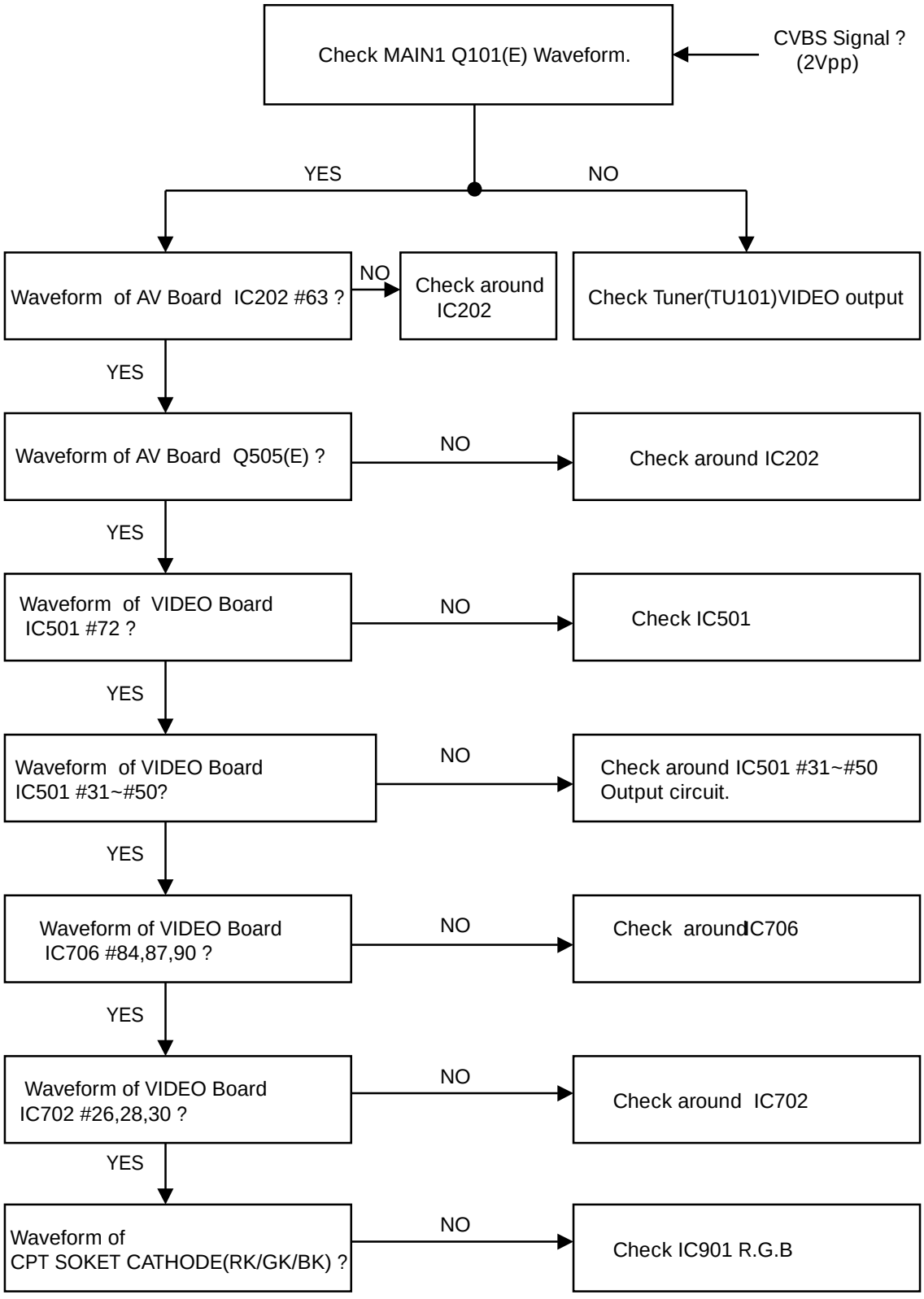
	Range	Description	Default
option1	200 PRO	1: 200 Program(CHINA Only)	
		0: 100 Program	
	TSEAR	1: With TURBO Search	
		0: Without TURBO Search	
	I/II SV	1: Save Dual Sound Condition	
		0: Not Save Dual Sound	
	TOP	Condition	
		1: TOP + FLOF TEXT	
	EYE	0: FLOF TEXT	
		1: With Digital EYE	
	A2 ST	0: Without Digital EYE	
		1: With FM Stereo	
	SYS	0: Without FM Stereo	
		0 : BG/I/DK(PE-)	
		1 : BG/L(PL-)	
		2: BG/I/DK/M(PT-)	
		3 : RESERVED	
option2	ACMS	1: Wih Channel Name Display	
		(All Countries except Austrailia)	
		0: Without Channel Name Display	
		(Austrailia)	
	VOL	1: Rushed Sound Curve	
		(Middle East ASIA,INDIA)	
		0: Standard Sound Curve	
		(Other countries)	
	AV4	1: With AV4 Input	
		0: Without AV4 Input	
	EU	1: PE/PL Model	
		0: PT Model	
	DVD i	1: With COMPONENT1 Input	
		0: Without COMPONENT1 Input	
	DVD p	1: With COMPONENT2 Input	
		0: Without COMPONENT2 Input	
	VGA	1: With VGA Input	
		0: With VGA Input	
option3	C SPK	1: With CENTER SPK	
		0: Without CENTER SPK	
	VFD	1: Digital Index button	
		0: SOUND MUTE button	
	C MUTE	1: RF Normal Sound Modulation(Others)	
		0: High Deviation Modulation(CHINA)	
	DOLBY	1: With DOLBY Pro LOgic	
		0: Without DOLBY Pro LOgic	
	V-DOL	1: With DOLBY Virtual Surround	
		0: Without DOLBY Virtual Surroud	

	Range	Description	Default
option3	TEXT	1: With Teletext	
		0: Without Teletext(CHINA)	
	SCART	1: RF 54% Modulation INput	
		0: RF 100% Modulation INput	
	CH + AU	1: China+AUST.Channel Table	
		0: Other countries Channel table	

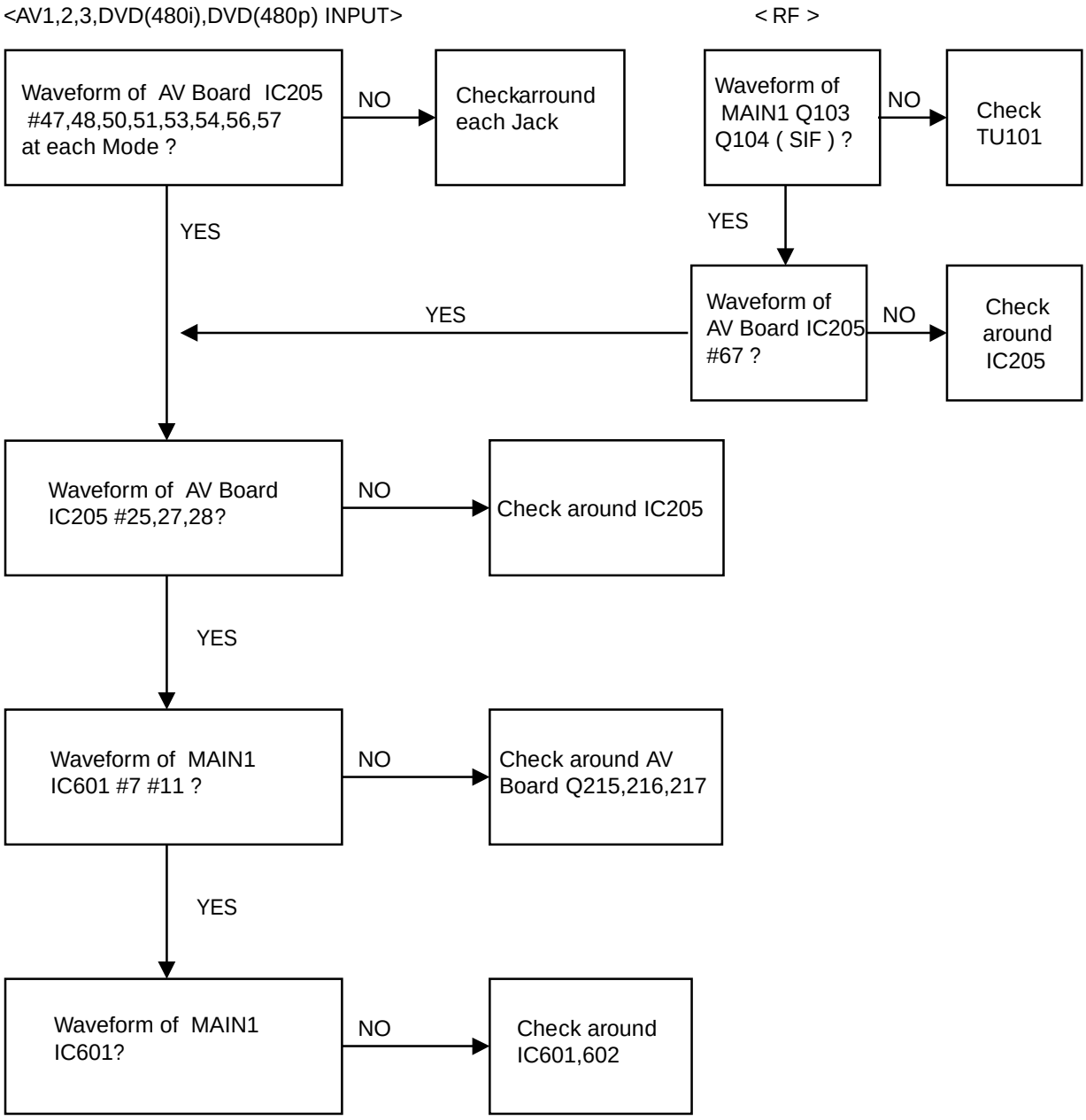
	State	Language	Funciton	Default
option4	LANG	0:E Only	English	
		1:EU 5EA	English/German/French/Italy/Spanish	
		2:EU ETC	Pol./Hungary/Czecho/Russia/Eng	
		3:PARSI	English/Parsi	
		4:ARAB DUAL	English/French/Arab+Urdu	
		5:English+Hindi	English/Hindi	
		6:English+I+M+V	English/Indonesian/Malaysian/Vietnamese	
		7:English+THAI	English/Thai	
		8:English+China	English/China	
	T-LAN	0:West Europe	English/French/Swedish/Czech/German/Spanish/Itallian	
		1:East Europe	Polish/Fench/Swedish/Czech/German/Slovenian/Italian/Romanian	
		2:Turkey	English/French/Swedish/Turkish/German/Spanish/Itallian	
		3:EAST EU2	English/Hungarian/Serbian/Czech/German/Polish/Spanish/Itallian/	
			Romanian	
		4:Cyrillic 1		
		5:Cyrillic 2		
		6:Cyrillic 3		
		7:Turkey/Greek 1		
		8:Turkey/Greek 2		
		9:Turkey/Greek 3		
		10:Arab/France		
		11:Arab/English		
		12:Arab/Hebrew 1		
		13:Arab/Hebrew 2		
		14:Farsi/English		
		15:Farsi/France		
		16:Farsi all		

Trouble Shooting

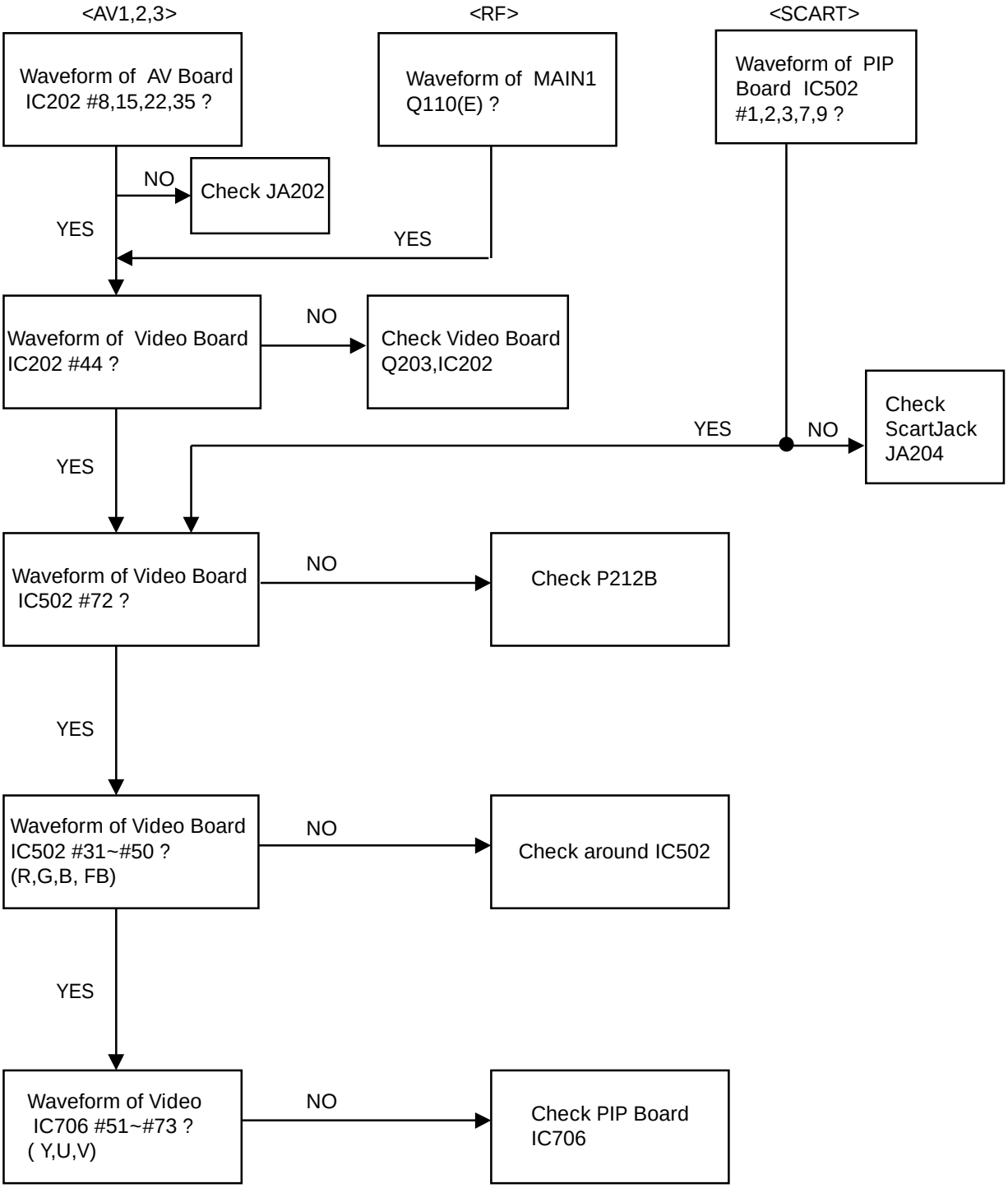
1. NO PICTURE (SOUND OK)



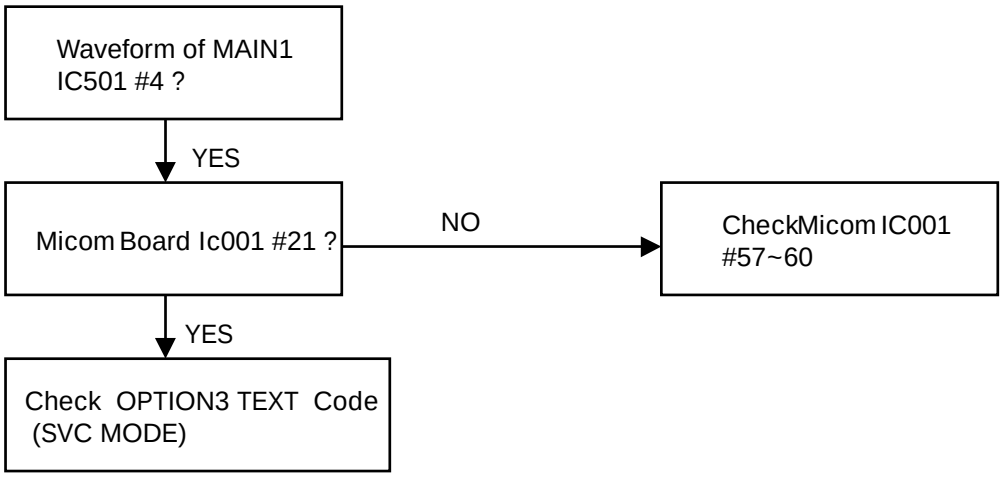
2. NO SOUND (PICTURE OK)



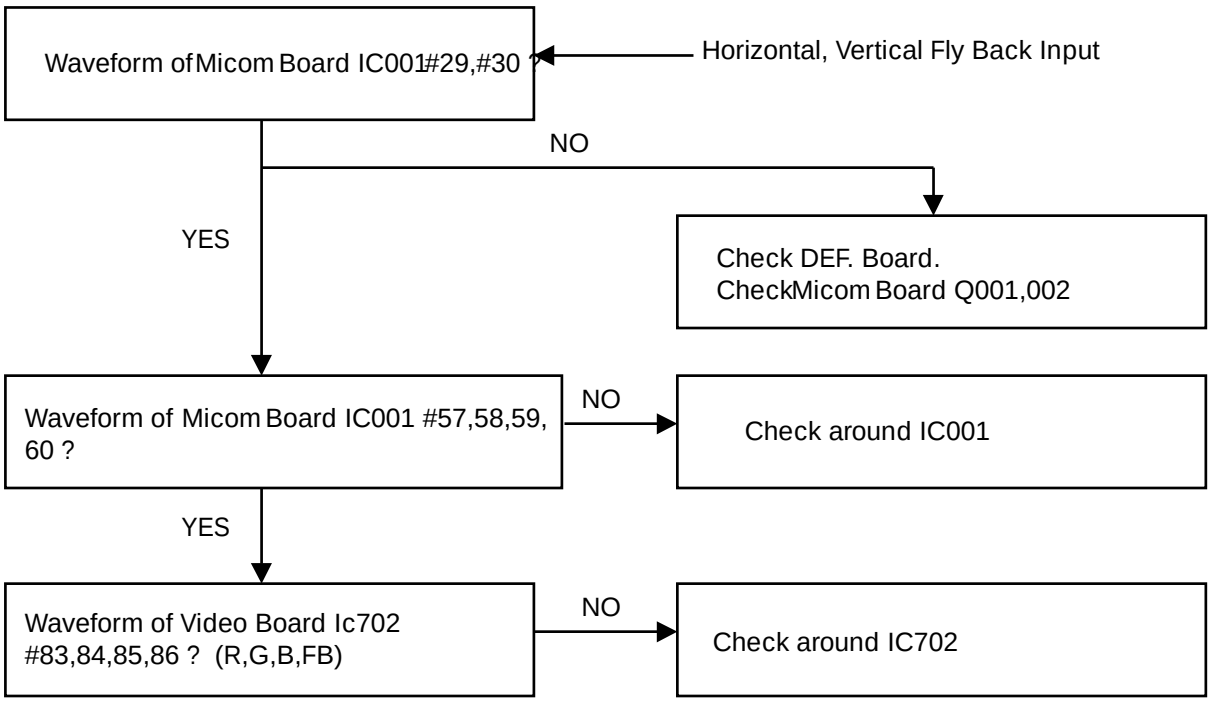
3. NO PIP


<AV1,2,3>
<RF>
<SCART>
Waveform of AV Board IC202 #8,15,22,35 ?
Waveform of MAIN1 Q110(E) ?
Waveform of PIP Board IC502 #1,2,3,7,9 ?
NO
Check JA202
YES
YES
Waveform of Video Board IC202 #44 ?
NO
Check Video Board Q203,IC202
YES
NO
Check ScartJack JA204
YES
Waveform of Video Board IC502 #72 ?
NO
Check P212B
YES
Waveform of Video Board IC502 #31~#50 ? (R,G,B, FB)
NO
Check around IC502
YES
Waveform of Video IC706 #51~#73 ? (Y,U,V)
NO
Check PIP Board IC706

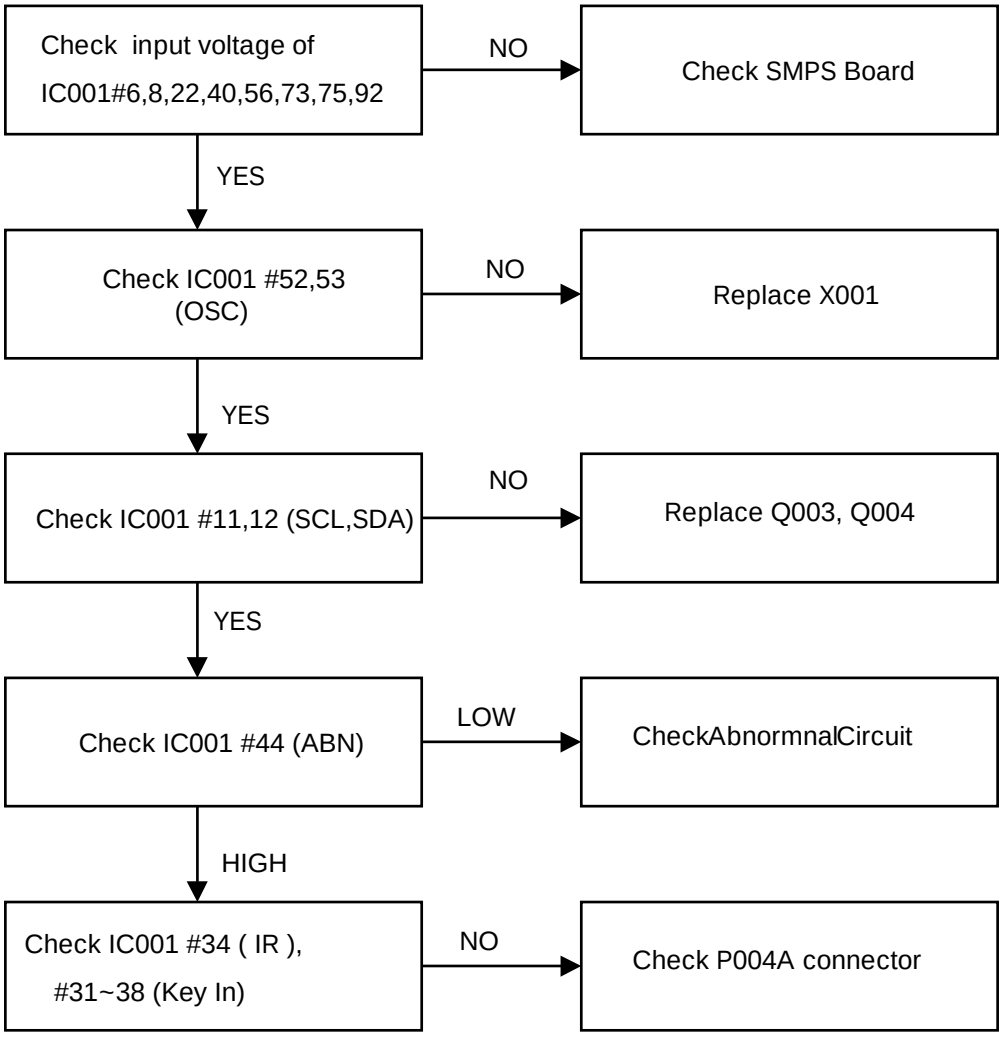
4. NO Teletext (Picture OK)



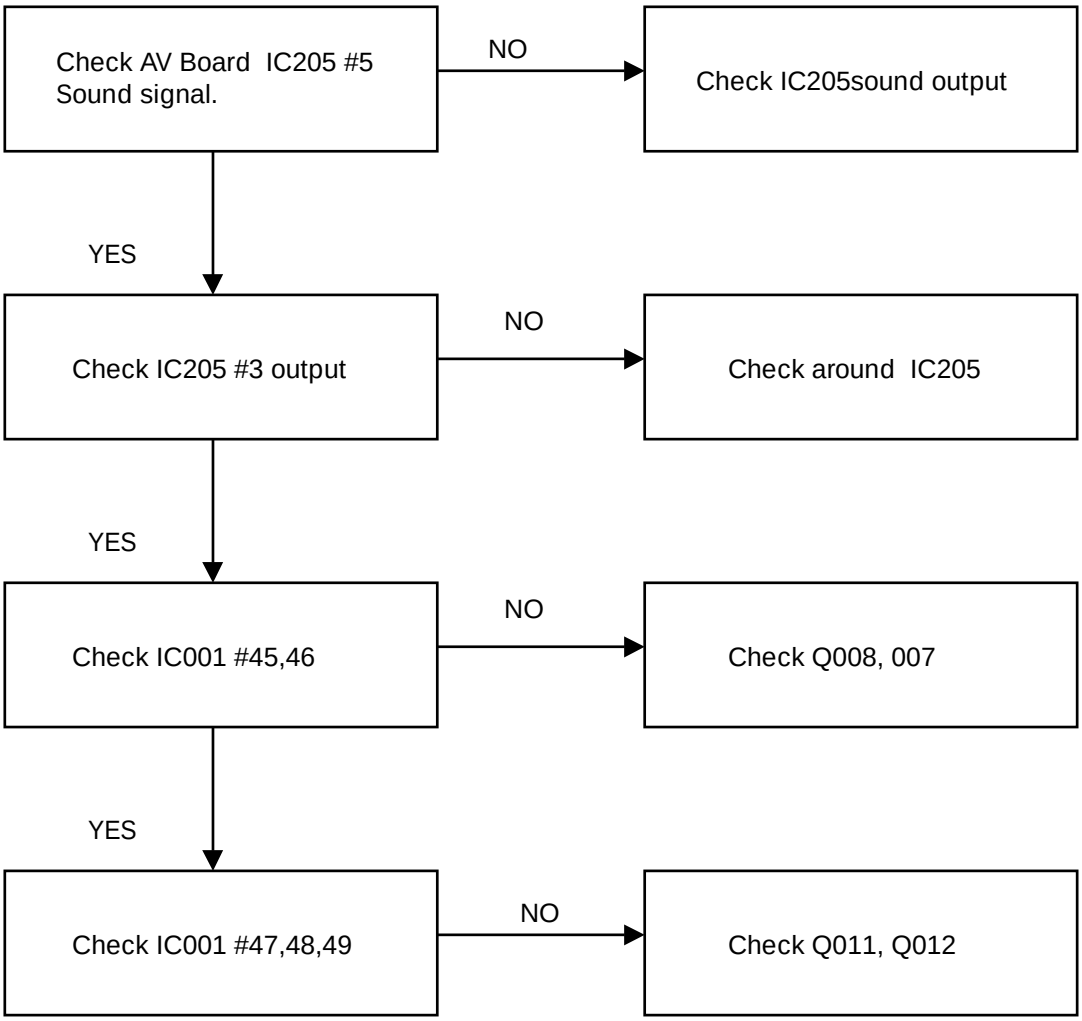
5. NO OSD (ON SCREEN DISPLAY)



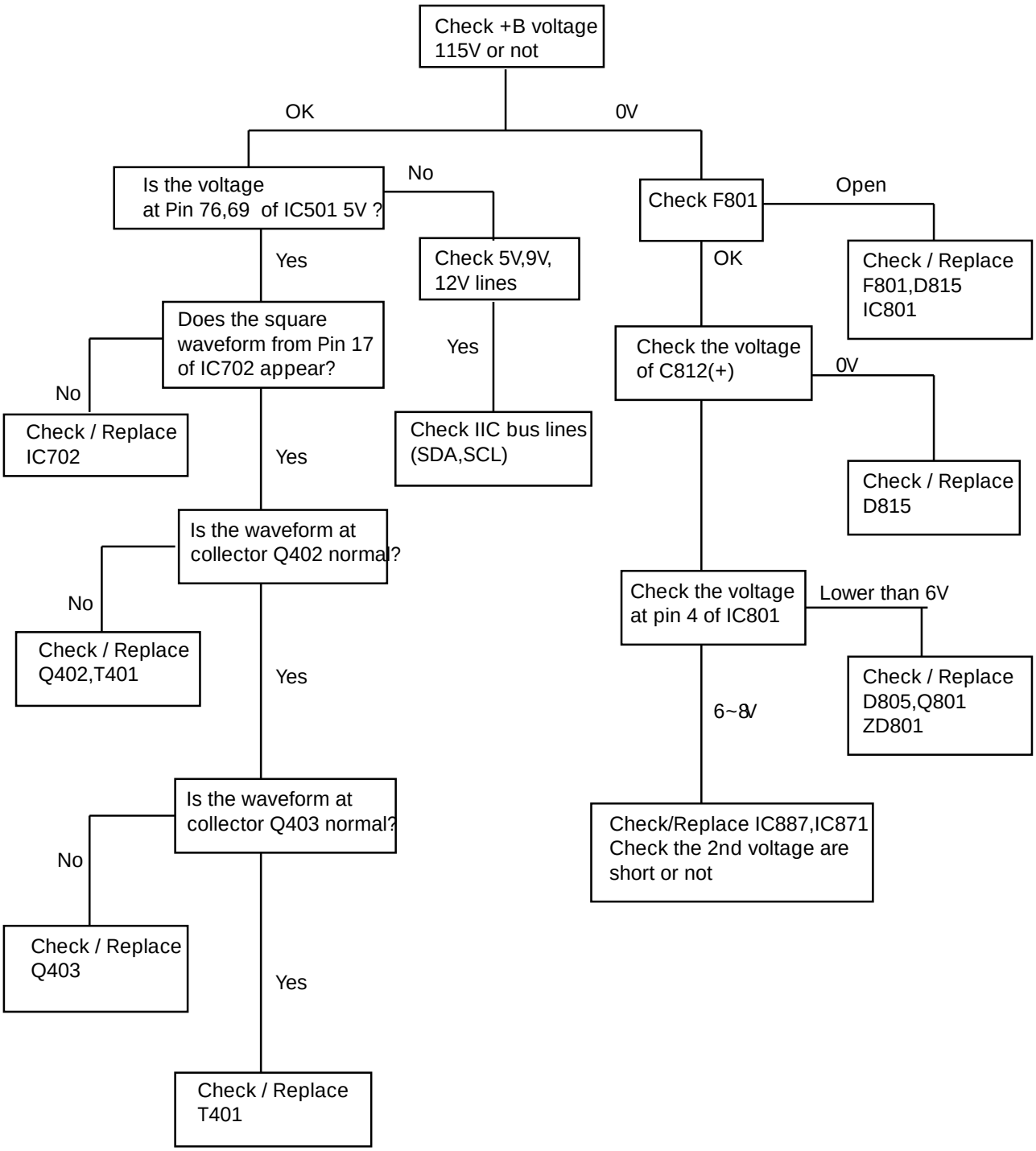
6. NO POWER ON


Check input voltage of
IC001#6,8,22,40,56,73,75,92
NO
Check SMPS Board
YES
Check IC001 #52,53
(OSC)
NO
Replace X001
YES
Check IC001 #11,12 (SCL,SDA)
NO
Replace Q003, Q004
YES
Check IC001 #44 (ABN)
LOW
CheckAbnormnalCircuit
HIGH
Check IC001 #34 (IR),
#31~38 (Key In)
NO
Check P004A connector

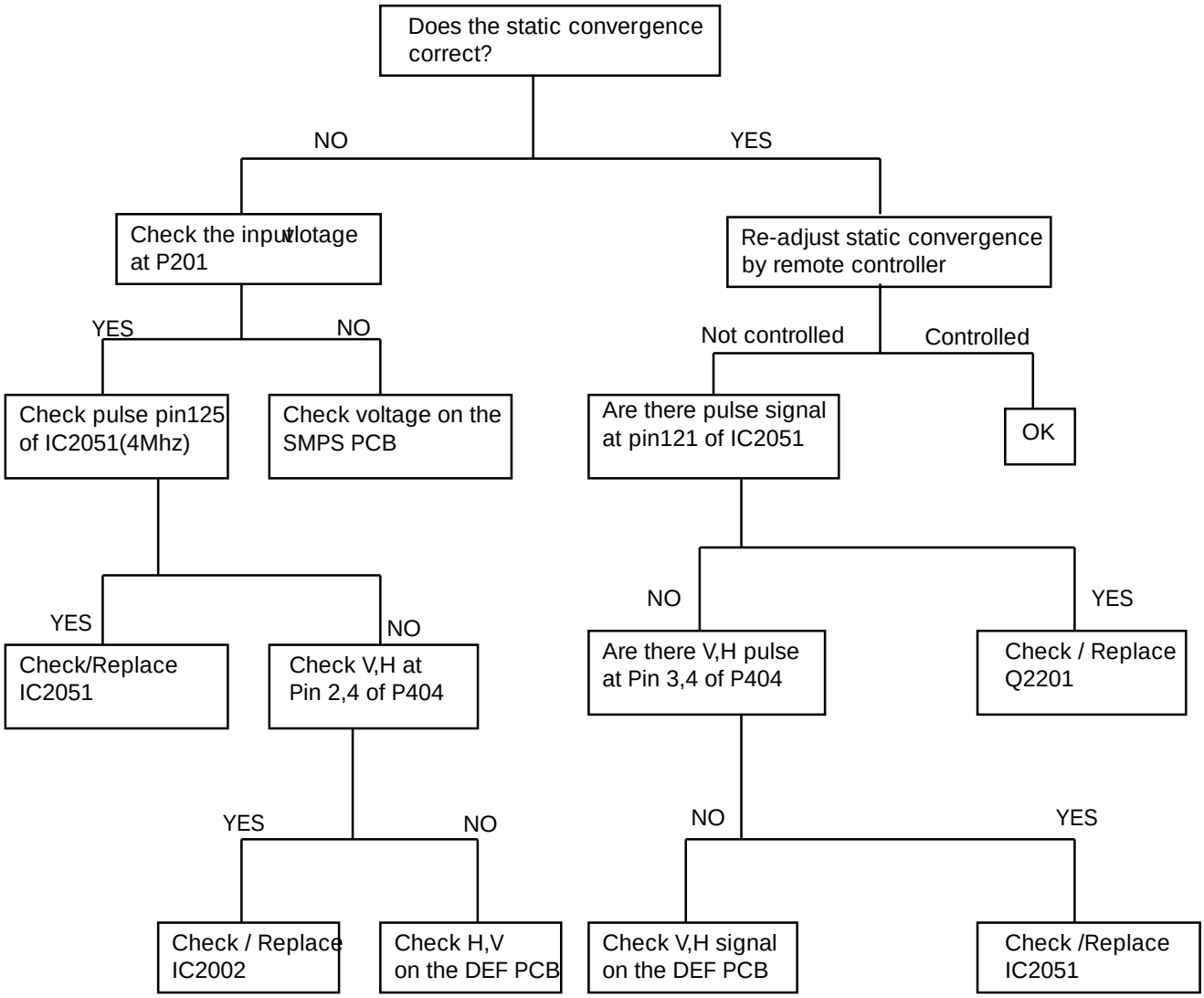
7. NO VFD OPERATION (Option)



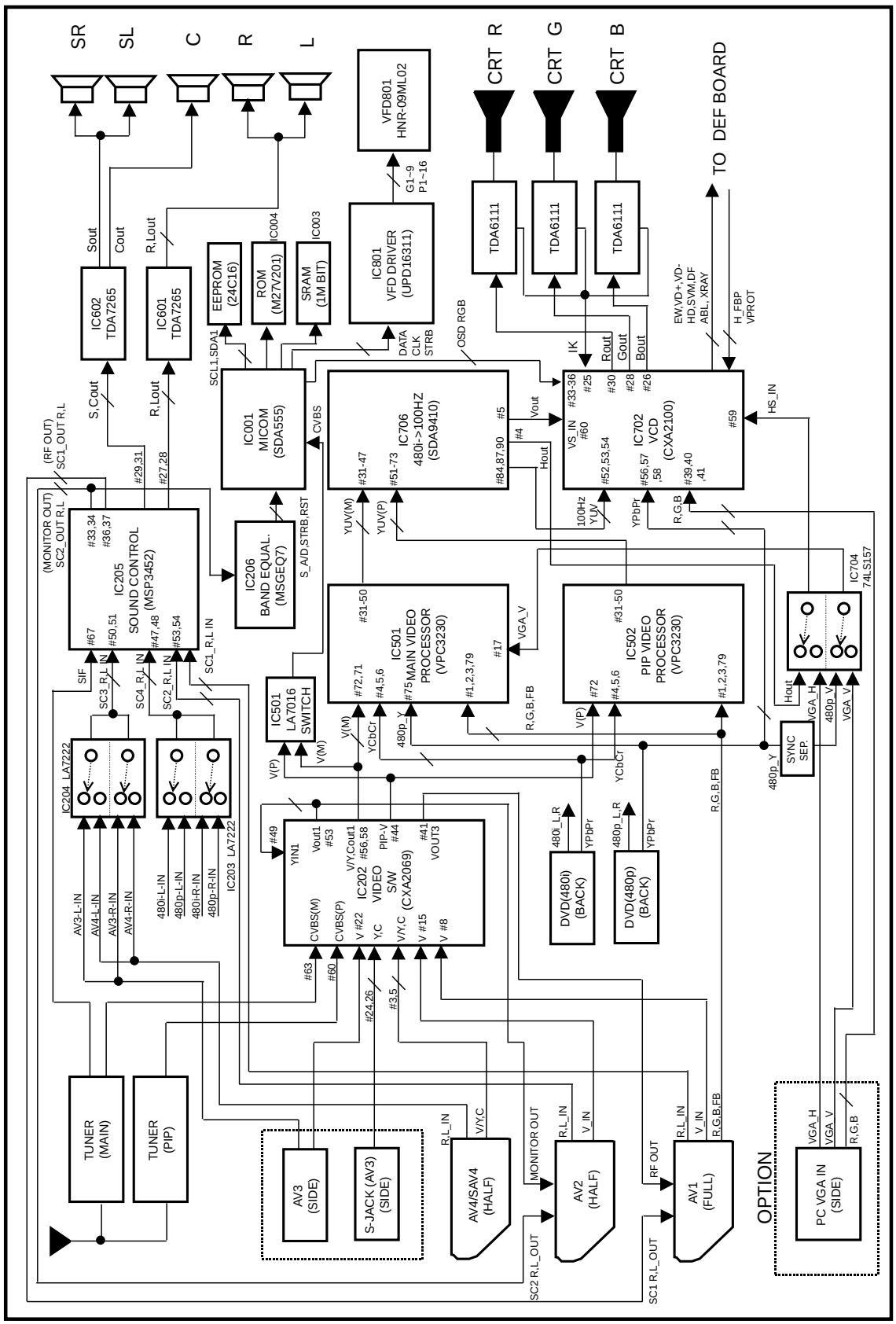
8.NO RASTER


Check +B voltage 115V or not
OK
0V
Is the voltage at Pin 76,69 of IC501 5V ?
No
Check 5V,9V, 12V lines
Yes
Check IIC bus lines (SDA,SCL)
Check F801
Open
Check / Replace F801,D815 IC801
OK
Check the voltage of C812(+)
0V
Check / Replace D815
Does the square waveform from Pin 17 of IC702 appear?
No
Check / Replace IC702
Yes
Is the waveform at collector Q402 normal?
No
Check / Replace Q402,T401
Yes
Check the voltage at pin 4 of IC801
Lower than 6V
Check / Replace D805,Q801 ZD801
6~8V
Is the waveform at collector Q403 normal?
No
Check / Replace Q403
Yes
Check / Replace T401
Check/Replace IC887,IC871
Check the 2nd voltage are short or not

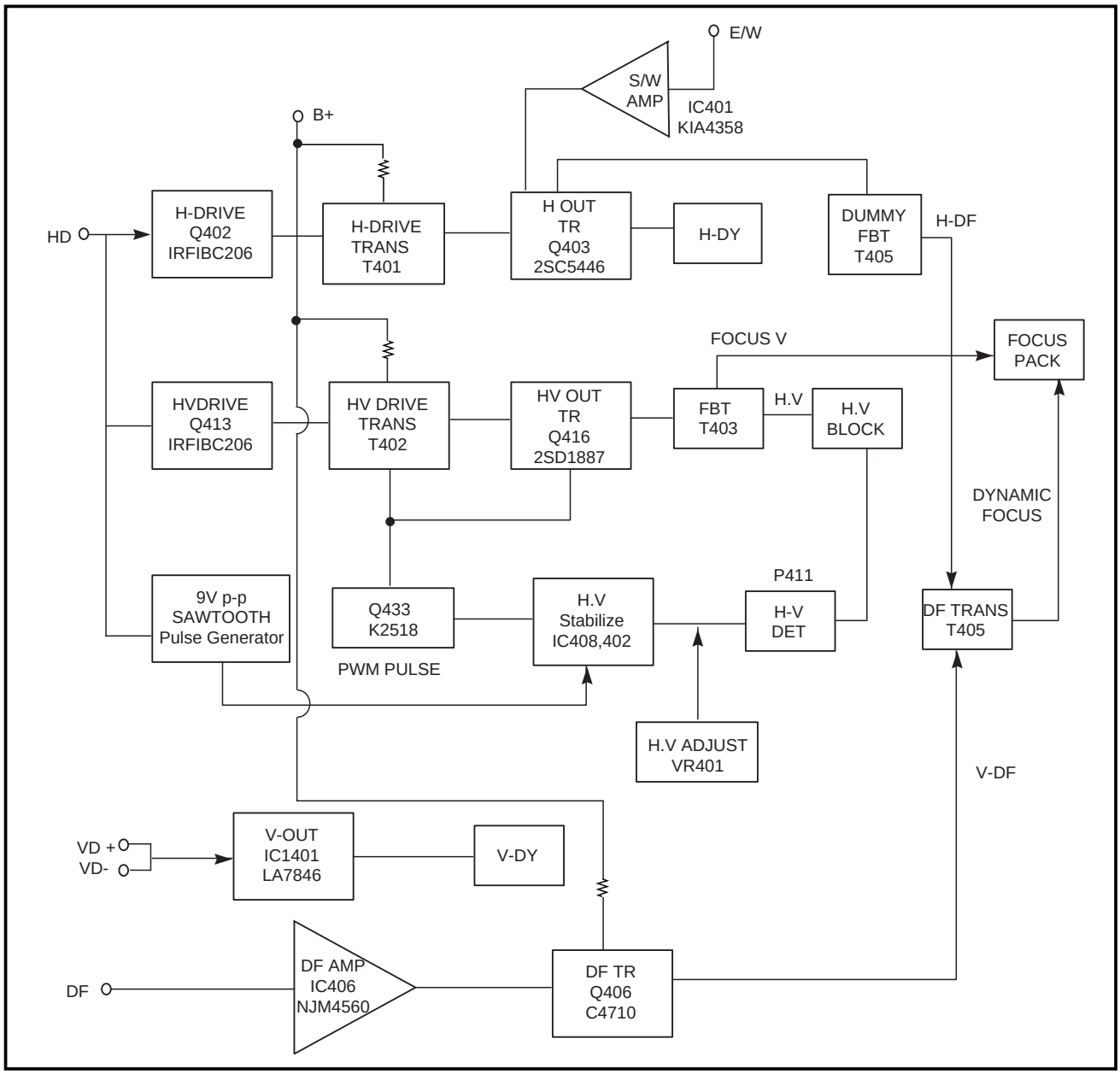
9. INCORRECT CONVERGENCE



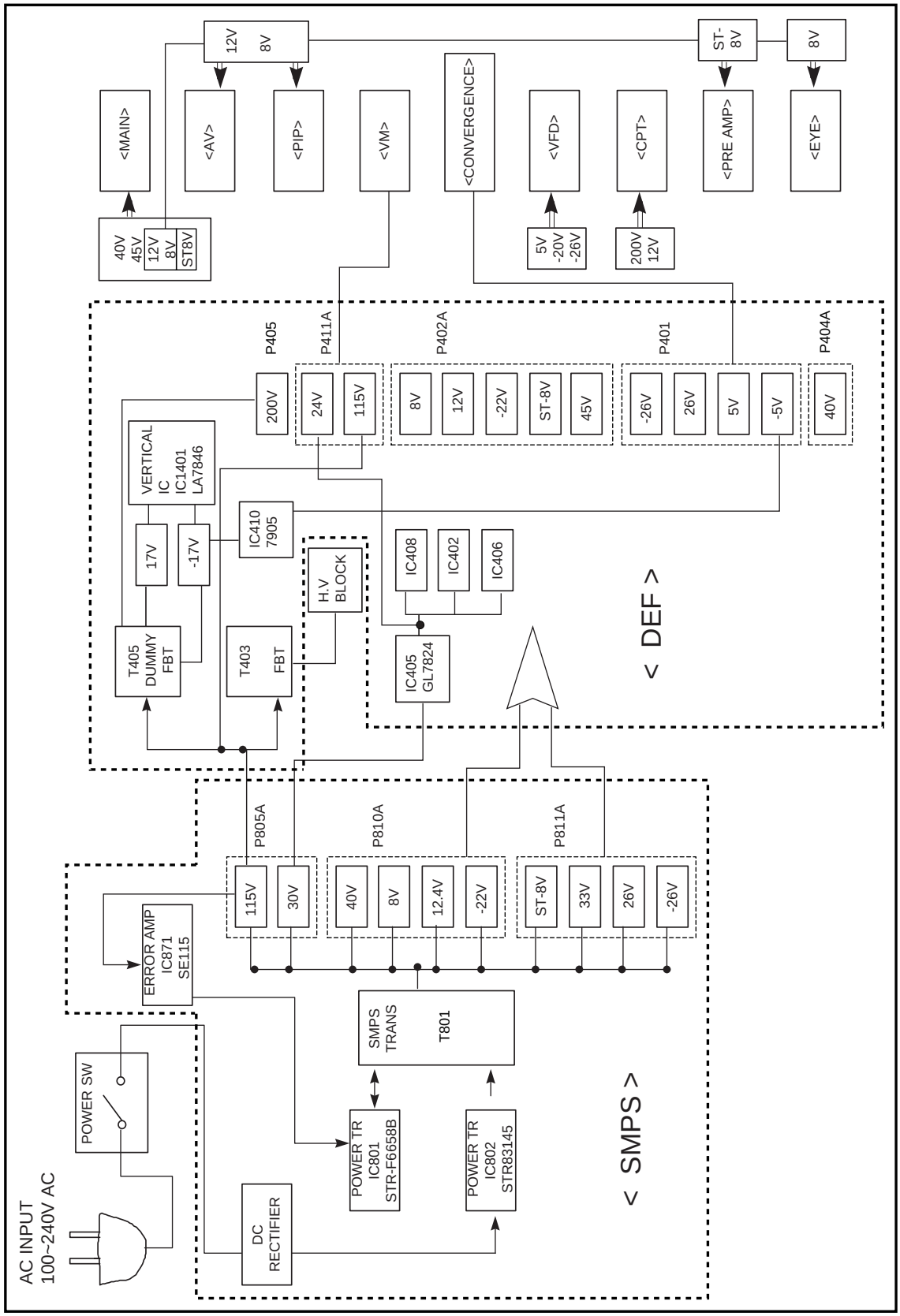
BLOCK DIAGRAM(SIGNAL)



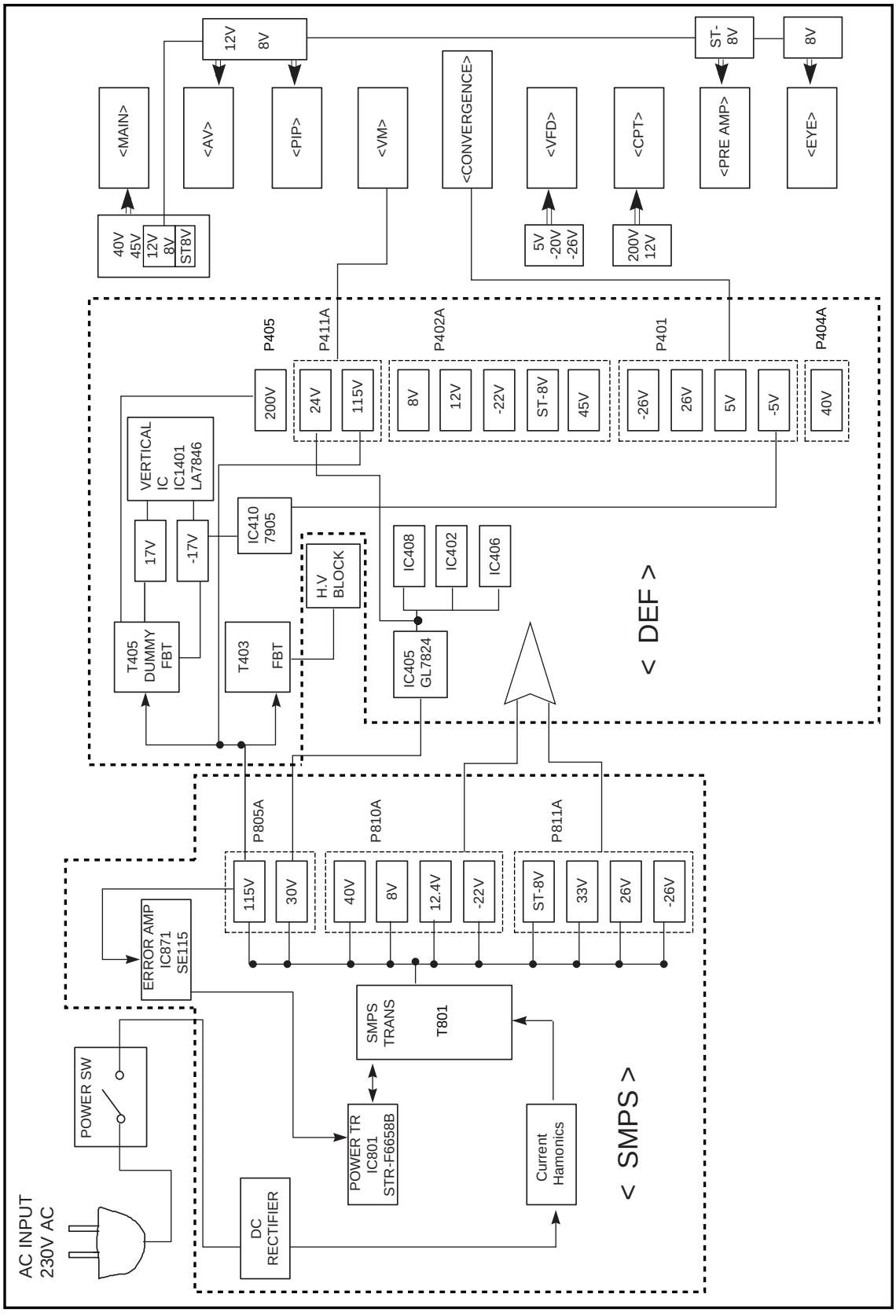
BLOCK DIAGRAM(DEF)



BLOCK DIAGRAM(SMPS-WIDE)

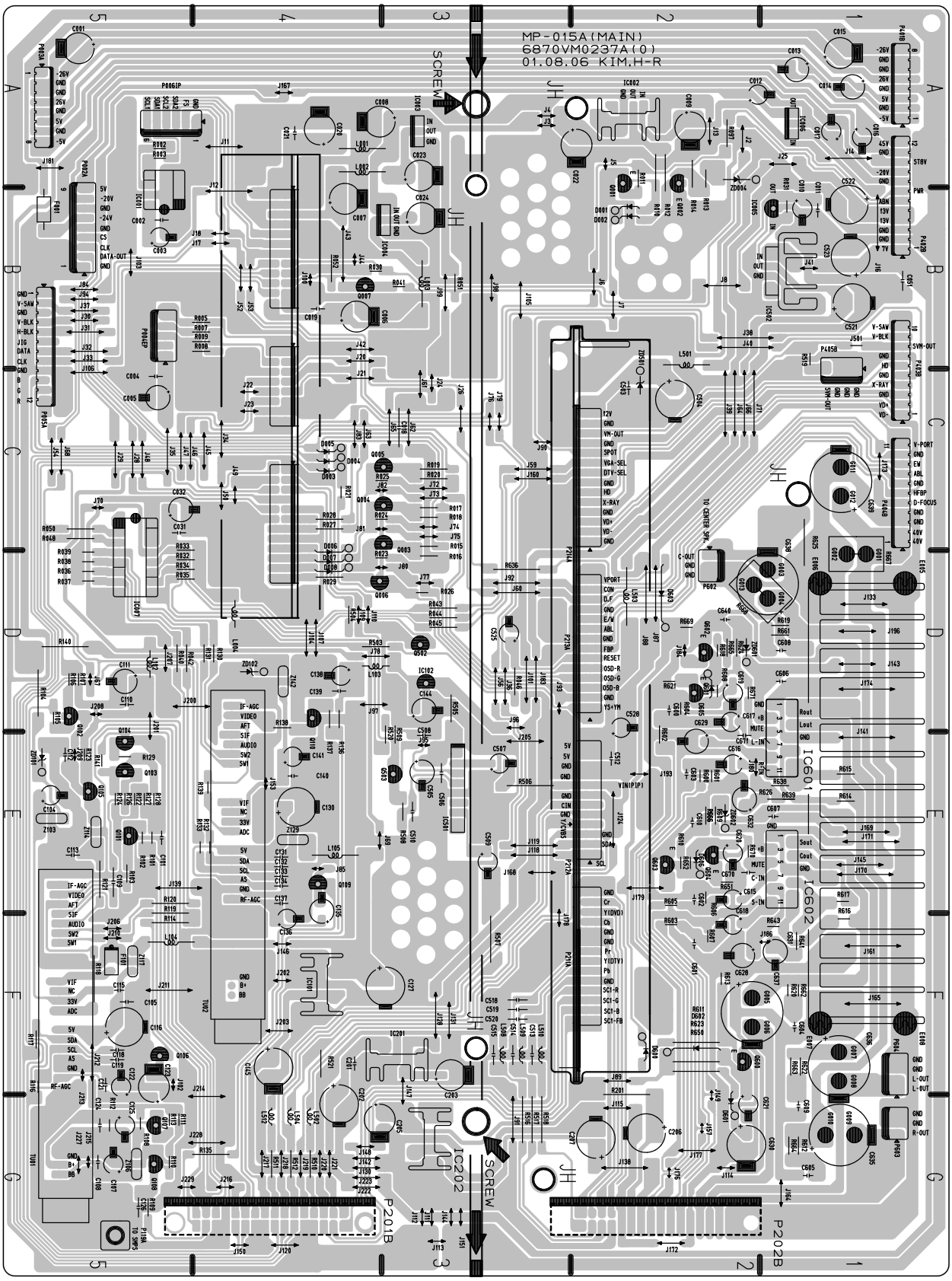


BLOCK DIAGRAM(SMPS-NARROW)



PRINTED CIRCUIT BOARD

SIGNAL



COMPONENT LOCATION GUIDE(SIGNAL)

C001.....A5
C002.....B5
C003.....B5
C004 .....C5
C005 .....C5
C006.....B4
C007.....B4
C008.....A4
C009.....A2
C010.....B1
C011.....B1
C012.....A2
C013.....A1
C014.....A1
C015.....A1
C016.....A1
C017.....A1
C018 .....C3
C019.....B4
C020.....A4
C021.....A4
C022.....A3
C023.....A3
C024.....B3
C031 .....C5
C032 .....C5
C051.....B1
C101.....E5
C104.....E5
C105.....F5
C107 .....G5
C108 .....G5
C109.....E5
C110 .....D5
C111 .....D5
C112.....E5
C113.....E5
C115.....F5
C116.....F5
C118.....F5
C119.....F5
C121.....F5
C122.....F5
C123.....F5
C124 .....G5
C125 .....G5
C126 .....G5
C127.....F4
C130.....E4
C131.....E4
C132.....E4
C133.....E4
C134.....E4
C135.....E4
C136.....F4
C137.....E4
C138 .....D4
C139 .....D4
C140.....E4
C141.....E4
C144 .....D3
C145.....F4
C201.....F4
C202 .....G4
C203.....F3
C205 .....G4
C206 .....G2
C207 .....G2
C503 .....C2
C504 .....C2
C505.....E3
C506.....E3
C507.....E3
C508.....E3
C509.....E3
C510.....E3
C512.....E2
C513.....F3
C514.....F3
C515.....F3
C518.....F3
C519.....F3
C520.....F3
C521.....B1
C522.....B1
C523.....B1
C525 .....D3
C528 .....D2
C600 .....D2
C601.....F2
C602.....E2
C603.....E2
C604.....F1
C605 .....G1
C606 .....D2
C607.....E1
C608 .....D2
C609 .....G1
C610.....E2
C615.....E2
C616.....E2
C617 .....D2
C618.....F2
C619 .....D2
C620.....E2
C621 .....G2
C628.....F2
C629.....E2
C630 .....G2
C631.....F1
C632.....E2
C635 .....G1
C636.....F1
C637.....F2
C638 .....D2
C639 .....C1
C640 .....D2
C670.....E2
C671.....E2
D001.....B2
D002.....B2
D003 .....C4
D004 .....C4
D005 .....C4
D006 .....C4
D007 .....D4
D008 .....D4
D600.....F2
D601 .....G2
D602.....F2
D603 .....D2
D605 .....D2
D606.....E2
E005.....D1
E006.....D1
E007.....F1
E008.....F1
F001.....B5
F101 .....F5
G001 .....D1
G002 .....D1
G003 .....D2
G004 .....D2
G005.....F2
G006.....F2
G007.....F1
G008.....F1
G009 .....G1
G010 .....G1
G011 .....C1
G012 .....C1
G013 .....D2
IC001.....B5
IC002.....A2
IC003.....A3
IC004.....B4
IC005.....B2
IC006.....A1
IC007 .....C5
IC101.....F4
IC102 .....D3
IC201.....F3
IC202 .....G3
IC501.....E3
IC502.....B2
J2 .....A2
J3 .....A3
J4 .....A3
J5 .....A2
J6 .....B2
J7 .....B2
J8 .....B2
J11 .....A4
J12 .....B4
J13 .....A2
J14 .....A1
J16 .....B1
J17 .....B4
J18 .....B4
J20 .....B4
J21 .....C4
J22 .....C4
J23 .....C4
J24 .....C3
J25 .....A2
J26 .....C3
J28 .....C5
J29 .....C5
J30 .....B5
J31 .....B5
J32 .....B5
J33 .....B5
J34 .....C4
J35 .....C5
J36 .....D3
J37 .....B5
J38 .....B2
J39 .....C2
J40 .....B2
J41 .....B1
J42 .....B4
J43 .....B4
J44 .....B4
J45 .....C4
J46 .....C5
J47 .....C5
J48 .....C5
J49 .....C4
J50 .....C4
J52 .....B4
J53 .....B4
J54 .....C5
J56 .....D3
J59 .....C3
J60 .....D3
J61 .....B3
J62 .....C3
J63 .....C4
J64 .....B2
J65 .....C3
J66 .....B2
J67 .....D5
J68 .....C5
J69 .....E4
J70 .....C5
J71 .....B2
J72 .....C3
J73 .....C3
J74 .....C3
J75 .....C3
J76 .....C3
J77 .....D3
J78 .....D4
J79 .....C3
J80 .....D4
J81 .....C4
J82 .....C4
J83 .....C4
J84 .....B5
J85 .....E4
J87 .....D2
J88 .....D2
J89.....F2
J90 .....C3
J91.....F3
J92 .....D3
J93 .....D3
J94 .....B5
J95 .....E3
J96 .....D3
J97 .....D4
J98 .....B3
J99 .....B3
J100 .....B4
J101 .....D3
J102.....F5
J103 .....B5
J104 .....D4
J105 .....B3
J106 .....C5
J107 .....D4
J109 .....D4
J110 .....D4
J111 .....G3
J112 .....G3
J113 .....G3
J114 .....G2
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J119 .....E3
J120 .....G4
J124 .....E2
J128.....F3
J130 .....G4
J131.....F3
J133 .....D1
J138 .....G2
J139 .....E5
J141 .....E1
J142 .....G4
J143 .....D1
J144 .....G3
J145 .....E1
J146.....F4
J147 .....G3
J148 .....G4
J149.....F2
J150 .....G4
J151 .....G3
J153 .....E4
J157 .....G2
J160 .....C3
J161.....F1
J164 .....G1
J165.....F1
J167 .....A4
J168 .....E3
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J172 .....G2
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J174 .....D1
J176 .....G2
J177 .....G2
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J181 .....A5
J183 .....D3
J184 .....D2
J186.....F2
J193 .....E2
J196 .....D1
J200 .....D5
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J202.....F4
J203.....F4
J205 .....E3
J206.....F5
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J209 .....E5
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J212.....F5
J213.....F5
J214 .....G5
J215 .....G5
J216 .....G4
J217 .....G4
J218 .....G4
J219 .....G4
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J221 .....G4
J222 .....G4
J223 .....G4
J227 .....G5
J228 .....G5
J229 .....G5
J501 .....B1
L001 .....A4
L002 .....A4
L003 .....B3
L004 .....D4
L102 .....D5
L103 .....D4
L104 .....F5
L105 .....E4
L501 .....B2
L502.....G4
L503 .....D2
L504 .....G4
L508 .....F3
L509 .....F3
L510 .....F3
L512.....G4
P602.....D2
P603 .....G1
P604 .....F1
P002A B5
P003A A5
P004EP ..B5
P005A B5
P006IP ...A5
P119A G5
P201B G4
P202B G2
P211A.....F2
P212A E2
P213A D2
P214A C2
P401B A1
P402B B1
P403B C1
P404B C1
P405B C1
Q001 .....A2
Q002 .....B2
Q003 .....C4
Q004 .....C4
Q005 .....C4
Q006 .....D3
Q007 .....B4
Q101 .....E5
Q102 .....D5
Q103 .....E5
Q104 .....E5
Q105 .....E5
Q106.....F5
Q107 .....G5
Q108 .....G5
Q109 .....E4
Q110 .....D4
Q502 .....D3
Q503 .....E3
Q600.....F2
Q601 .....D2
Q602 .....D2
Q603 .....E2
Q604 .....E2
R002.....A5
R003.....A5
R005.....B5
R007.....B5
R008.....B4
R009.....B4
R010.....A2
R011.....A2
R012.....A2
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R014.....B2
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R017 .....C3
R018 .....C3
R019 .....C3
R020 .....C3
R021 .....C4
R023 .....D4
R024 .....C4
R025 .....C3
R026 .....D3
R027 .....C4
R028 .....C4
R029 .....D4
R030.....B4
R031.....B1
R032 .....D5
R033 .....D5
R034 .....D5
R035 .....D5
R036 .....D5
R037 .....D5
R038 .....D5
R039 .....D5
R040 .....D5
R041.....B4
R042 .....D5
R043 .....D3
R044 .....D3
R045 .....D3
R046 .....D3
R048 .....C5
R050 .....C5
R051.....B3
R052.....B4
R097.....A2
R101.....E5
R102.....E5
R103.....E5
R104 .....D5
R105 .....D5
R106 .....D5
R107 .....D5
R108 .....G5
R109 .....G5
R110 .....G5
R111 .....G5
R112 .....G5
R113 .....G5
R114.....F5
R116.....F5
R117.....F5
R118.....F5
R119.....F5
R120.....E5
R121.....E5
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R123.....E5
R124.....E5
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R140 .....D5
R141.....E5
R201 .....G2
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R504 .....D4
R505 .....D3
R506.....E3
R507.....F3
R508.....E3
R509 .....D3
R510 .....G4
R511 .....G4
R512 .....G4
R516.....F3
R517.....F3
R518.....F3
R519 .....C1
R520 .....D4
R521.....F4
R600.....E2
R601.....E2
R602 .....D2
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R604 .....D2
R605.....E2
R606.....E2
R607.....F2
R608 .....D2
R609.....E2
R610.....E2
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R615.....E1
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R619 .....D2
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R625 .....C1
R626.....E2
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R641.....F1
R643.....F2
R650.....F2
R651.....E2
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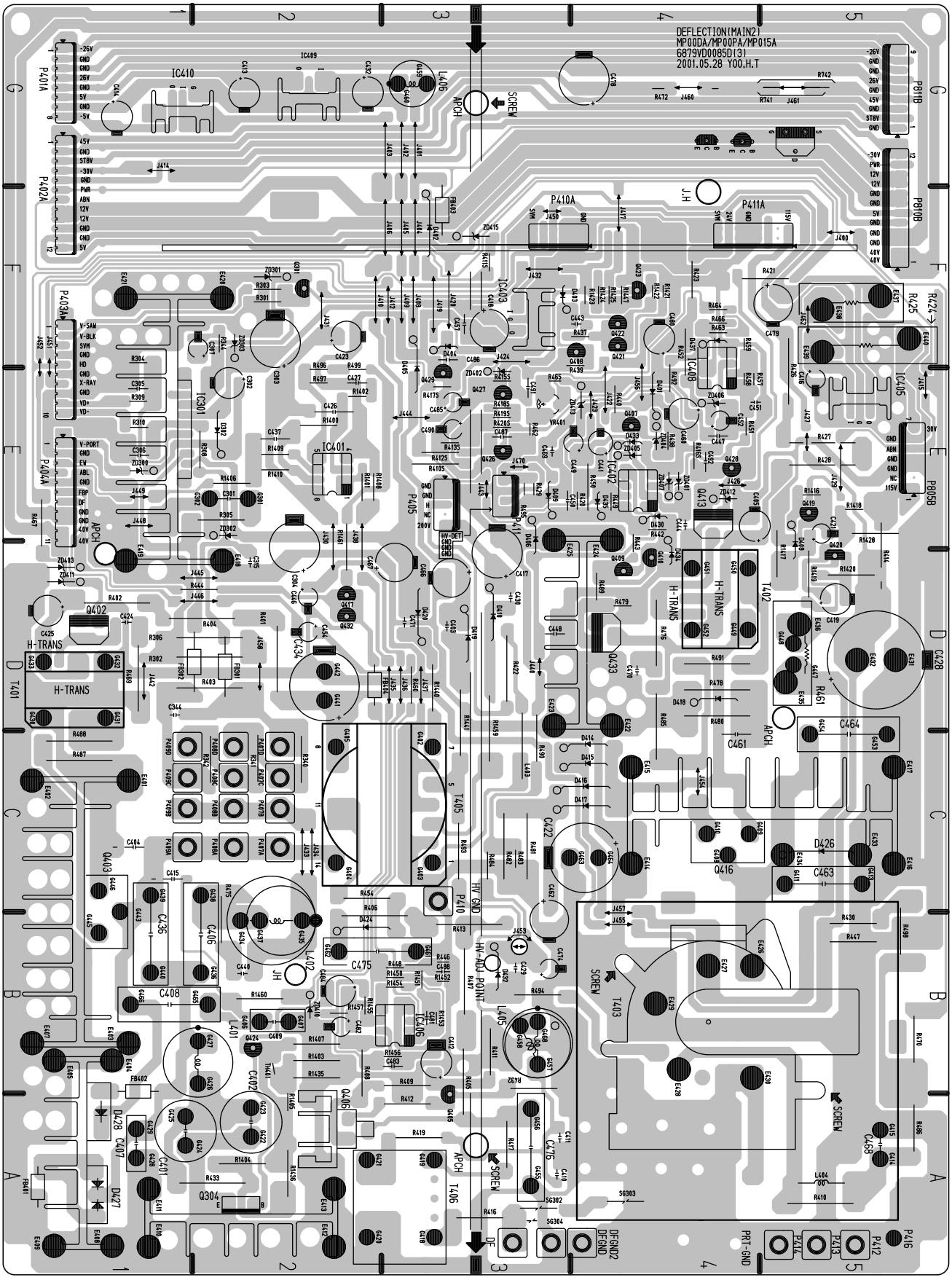
R661 .....D2
R662.....F1
R663.....F1
R664 .....G1
R665 .....D2
R666.....E2
R667 .....D1
R668 .....D2
R669 .....D2
R670.....E2
R671 .....D2
TU01 .....G5
TU02.....F4
Z103 .....E5
Z106.....G5
Z114 .....E5
Z117 .....F5
Z129 .....E4
Z142.....D4
ZD004 ....A2
ZD101 ....E5
ZD102 ....D4
ZD501 ....C2
ZD601 ....D2
ZD602 ....E2

MAIN2 (DEF)


DEFLECTION(MAIN2)
MP00DA/MP00PA/MP015A
6879VD0085D(3)
2001.05.28 Y00.H.T

COMPONENT LOCATION GUIDE(DEF)

C301.....E2
C302.....E2
C303.....F2
C304.....E2
C305.....E1
C306.....E1
C307.....F2
C315 .....D2
C344 .....D1
C401.....A2
C402.....A2
C403 .....D3
C404 .....C1
C405.....E4
C406.....B2
C407.....A1
C408.....B2
C409.....B2
C410.....A3
C411.....A3
C412.....B3
C413 .....G2
C414 .....G1
C415 .....C2
C416.....E5
C417.....E3
C418.....F3
C419 .....D5
C421.....E5
C422 .....C4
C423.....F2
C424 .....D1
C425 .....D1
C426.....E2
C427.....E2
C428 .....D5
C429.....B3
C430 .....D3
C432 .....G2
C434 .....D2
C436.....B1
C437.....E2
C440.....B2
C441.....E4
C443.....F4
C444.....E4
C446 .....D2
C447.....E4
C448 .....D4
C449.....E4
C450.....E4
C451.....E5
C452.....E4
C454 .....D2
C457.....F3
C460.....E4
C461 .....C5
C462.....B3
C463 .....C5
C464 .....C5
C466 .....D3
C467 .....D3
C468.....A5
C469.....E3
C470 .....D4
C471 .....D3
C474.....B3
C475.....B2
C476.....A3
C478 .....G4
C479.....F5
C480.....F4
C481.....B3
C482.....B2
C483.....B3
C484.....B2
C485.....E3
C486.....F3
C487.....E3
C488.....B3
C490.....E3
C491.....E3
C492.....E4
D302.....E2
D401.....E4
D402.....F3
D403.....F4
D404.....F3
D405.....F3
D406.....E3
D408.....E5
D409.....E3
D410 .....D3
D414 .....C4
D415 .....C4
D416 .....C3
D417 .....C3
D418 .....D4
D419 .....D3
D420 .....D3
D424.....B2
D426 .....C5
D428.....A1
D430.....E4
D432.....B3
D433.....E4
D434.....E4
D435.....E4
D437.....F4
DF A3
DFGND ..A3
DFGND2 A4
E401.....C1
E402.....C1
E403.....B1
E404.....B1
E405.....B1
E407.....B1
E408.....A1
E409.....A1
E410.....A1
E411.....A1
E412.....A2
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E414.....C4
E415.....C4
E416.....C5
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E419.....D1
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E423.....D3
E424.....E4
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E427.....B4
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E432.....D5
E433.....C5
E434.....C5
E435.....D5
E436.....D5
E437.....F5
E438.....F5
E439.....F5
E440.....F5
FB301 ....D2
FB302 ....D2
FB401.....A1
FB402.....B1
FB403 ....G3
FB404 ....D3
G301 .....E2
G302 .....E2
G402 .....C3
G403 .....C3
G404 .....C2
G405 .....C2
G406 .....B2
G407 .....B2
G408 .....C4
G409 .....C4
G410 .....C4
G411 .....C5
G413 .....C5
G414 .....A5
G415 .....A5
G418 .....A3
G419 .....A3
G420 .....A2
G421 .....A2
G422 .....A2
G423 .....A2
G424 .....A2
G425 .....A2
G426 .....B2
G427 .....B2
G428 .....A1
G429 .....A1
G430 .....D1
G431 .....D1
G432 .....D1
G433 .....D1
G434 .....B2
G435 .....B2
G436 .....B2
G437 .....B2
G438 .....C2
G439 .....C1
G440 .....B1
G441 .....D2
G442 .....D2
G443 .....C1
G445 .....B1
G446 .....C1
G447 .....D5
G448 .....D5
G449 .....D4
G450 .....D4
G451 .....D4
G452 .....D4
G453 .....C5
G454 .....C5
G455 .....A3
G456 .....A3
G457 .....B3
G458 .....B3
G459 .....G3
G460 .....G3
G461 .....B3
G462 .....B2
G463 .....C4
G464 .....C4
G465 .....B2
G466 .....B1
G468 .....B3
IC301.....E2
IC401.....E2
IC402.....E4
IC403.....F3
IC405.....E5
IC406.....B3
IC408.....E4
IC409 .....G2
IC410 .....G2
J400.....F5
J401.....G3
J402.....G3
J403.....G3
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J415 .....E5
J417.....F4
J419.....F3
J420.....F3
J422.....F4
J423 .....E4
J424.....F3
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J427 .....E5
J429 .....E5
J430 .....E2
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J432.....F3
J433 .....C2
J434 .....C2
J435 .....D3
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J437 .....D3
J438 .....E2
J440 .....D3
J442 .....D1
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J445 .....D1
J446 .....D1
J448 .....E1
J449 .....E1
J450.....F3
J451.....F1
J452.....F1
J453 .....B3
J454 .....C4
J455 .....B4
J456 .....E4
J457 .....B4
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P402A G1
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P404A E1
P407A C2
P407B C2
P407C C2
P407D C2
P408A C2
P408B C2
P408C C2
P408D C2
P409A C2
P409B C2
P409C C2
P409D C2
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P411A.....F5
P805B E5
P810B.....F5
P811B G5
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Q304 .....A2
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Q423.....F4
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R411S F3
R412S E3
R413S E3
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R420S E3
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SG304 ....A3
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T405.....C3
T406.....A3
TH401 ....B2
VR401 ....E3
ZD300 ....E1
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ZD302 ....E2
ZD303.....F2
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ZD402 ....E3
ZD403 ....D1
ZD404 ....E4
ZD405 ....E4
ZD406 ....E4
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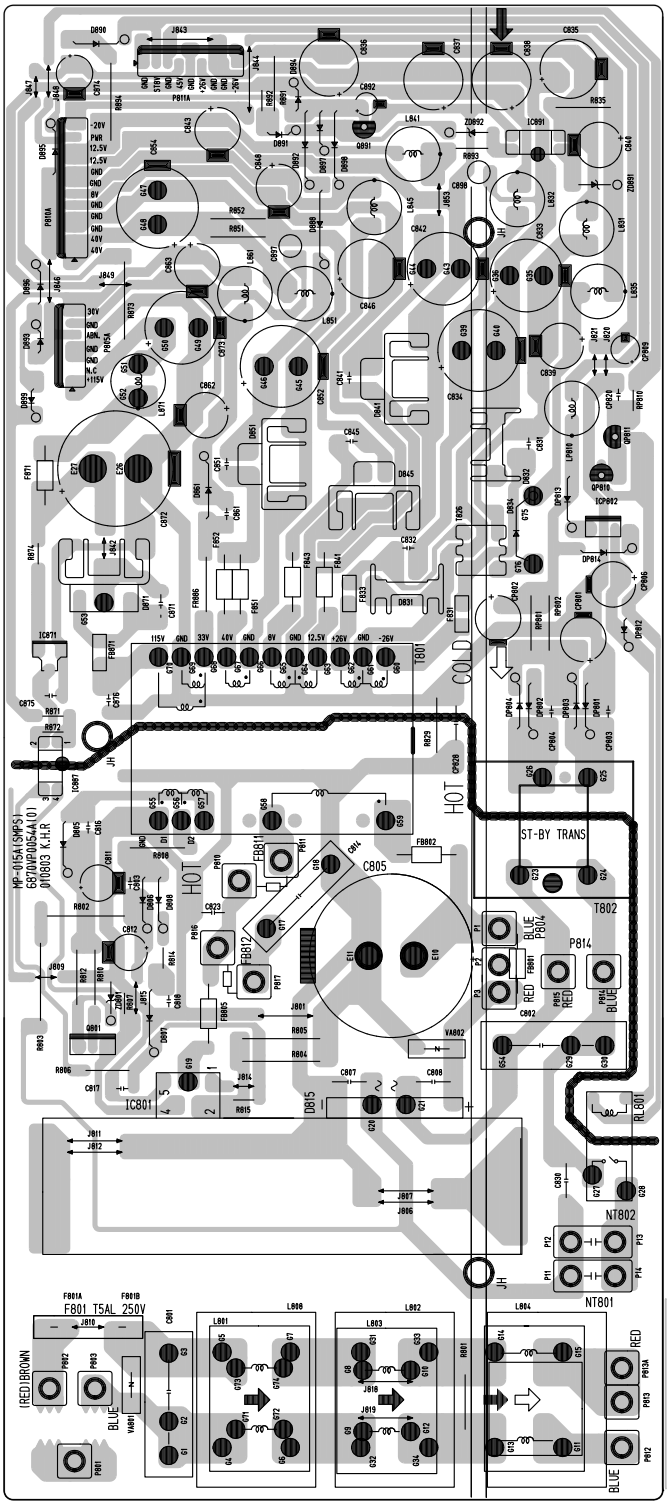
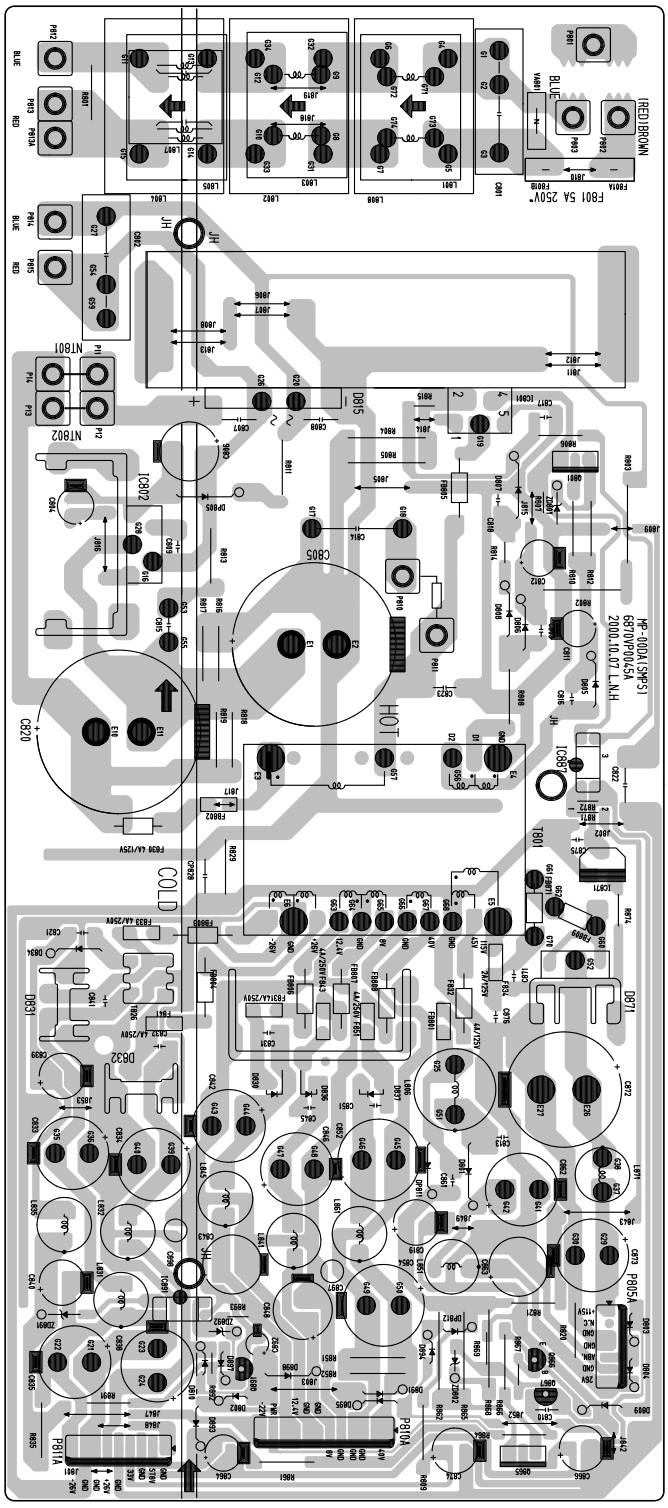
ZD415.....F3

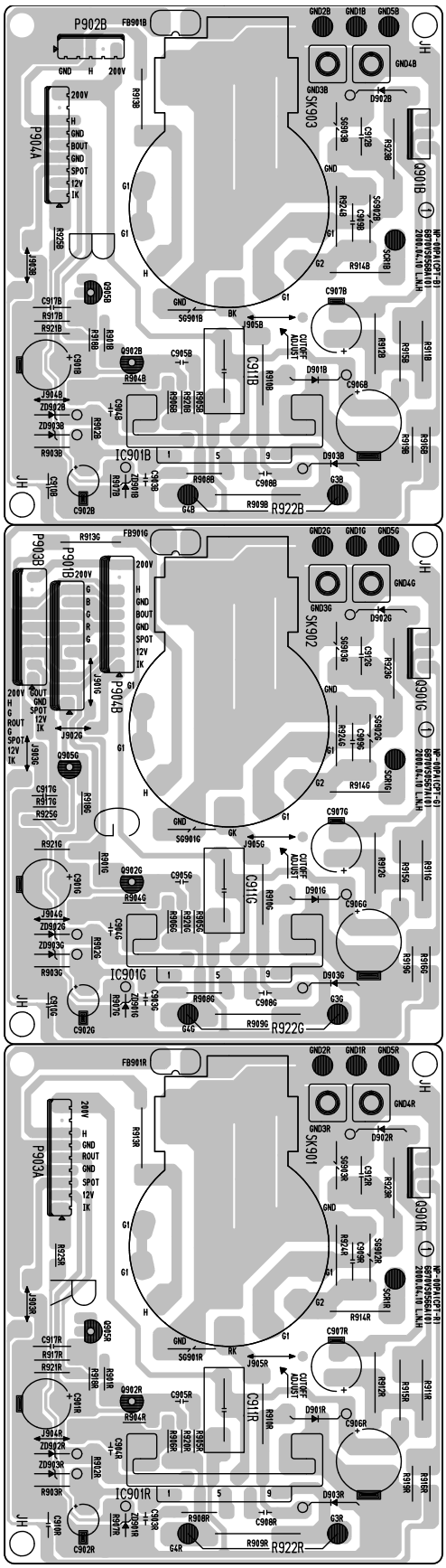
SMPS (NARROW)



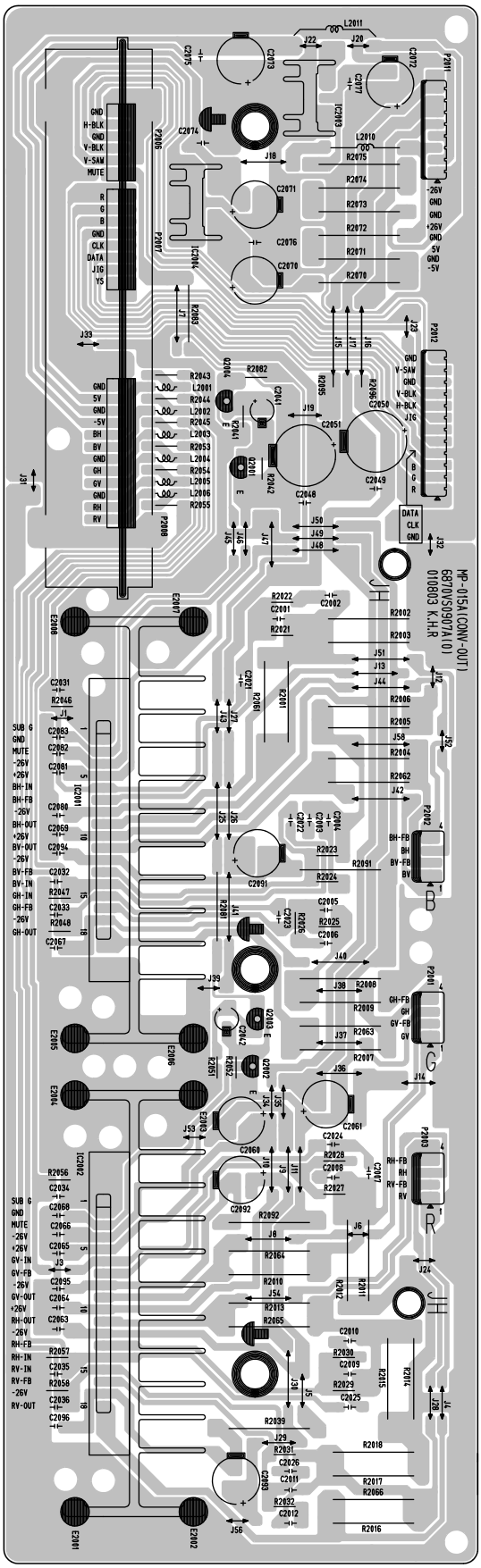
SMPS (WIDE)



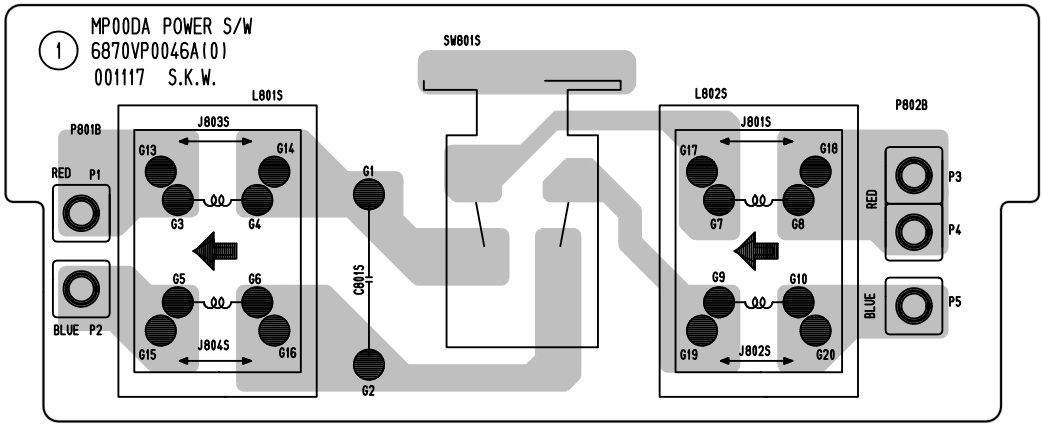
CPT



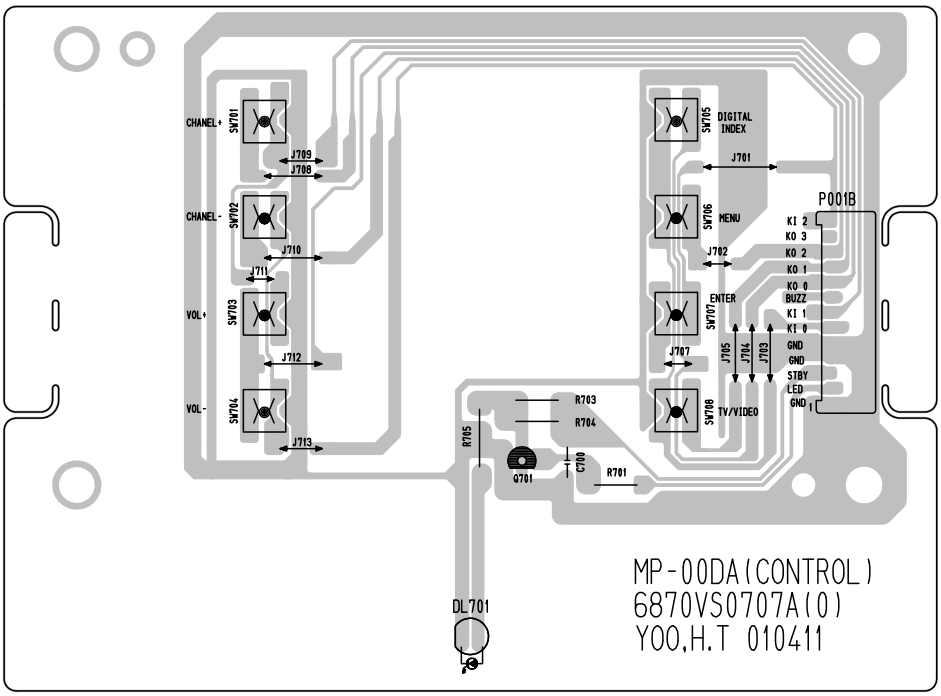
CONV-OUT



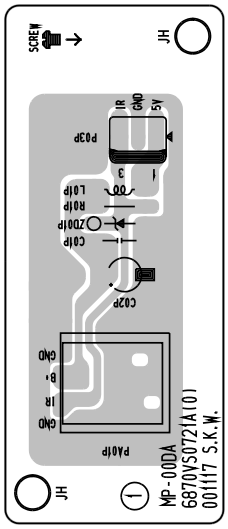
POWER S/W



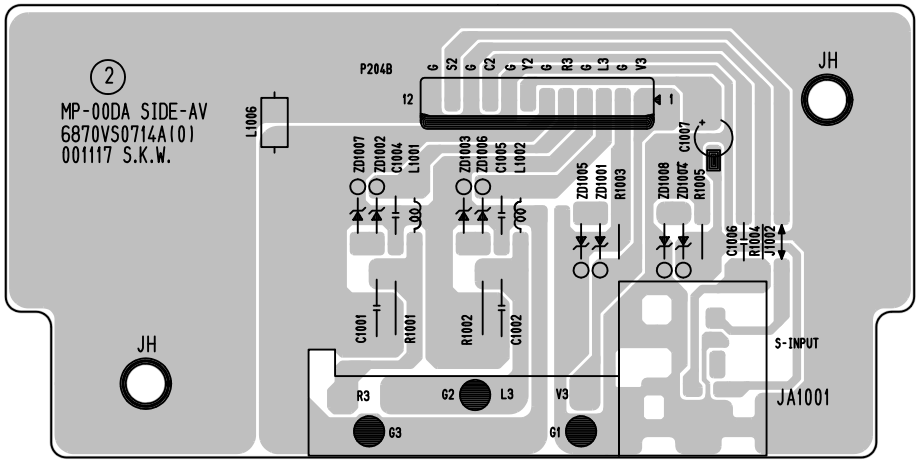
CONTROL



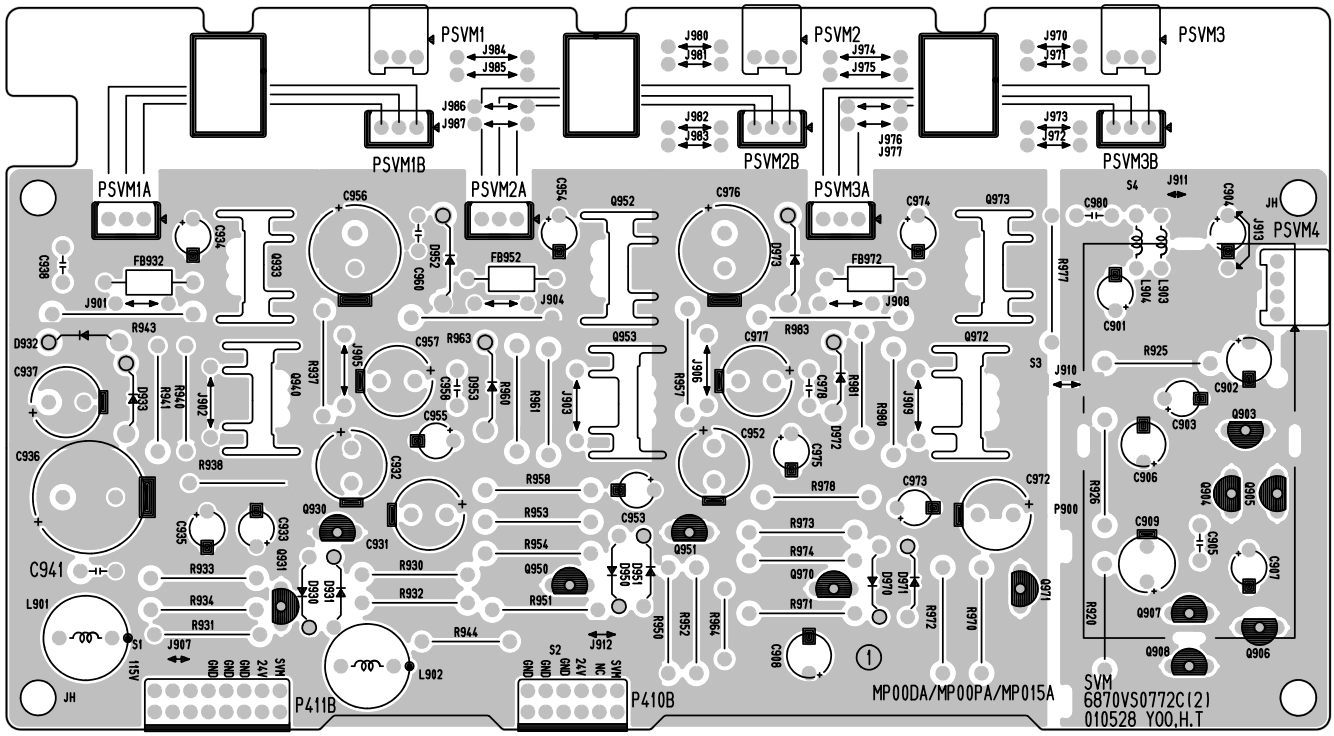
PRE-AMP



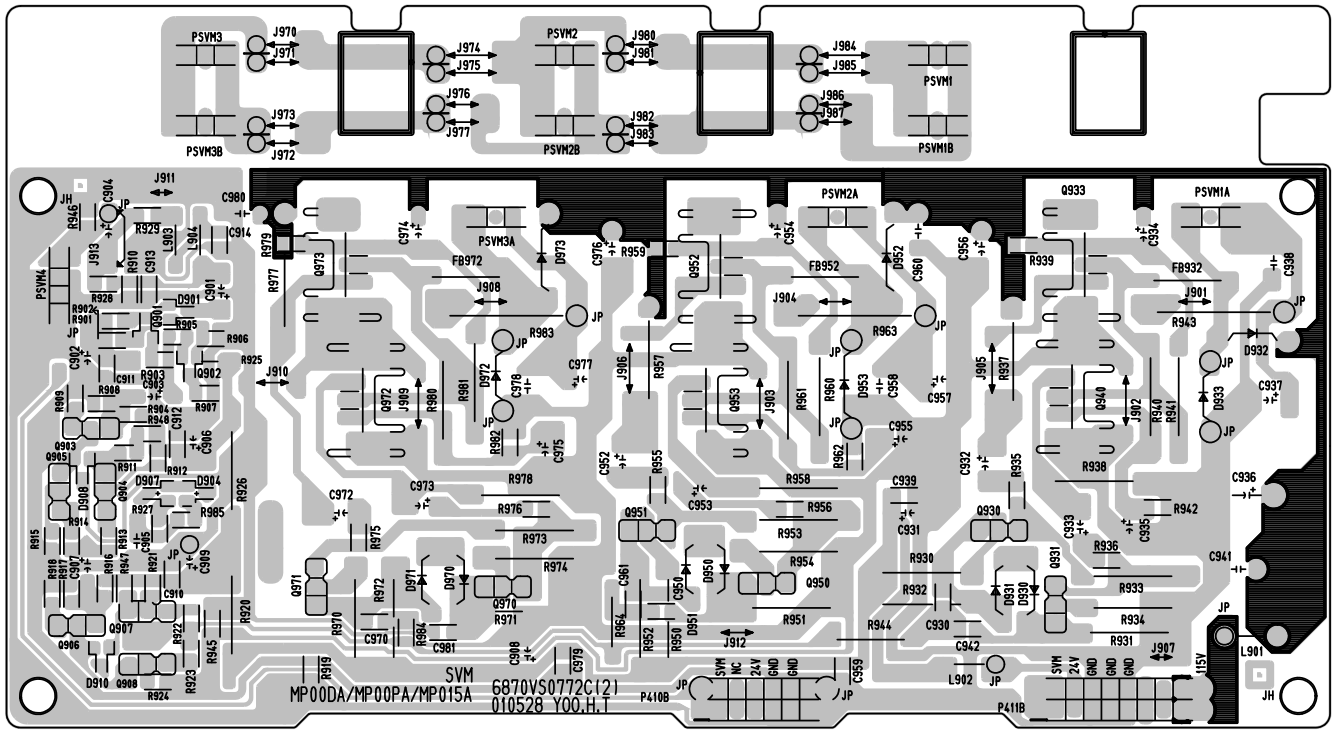
SIDE AV



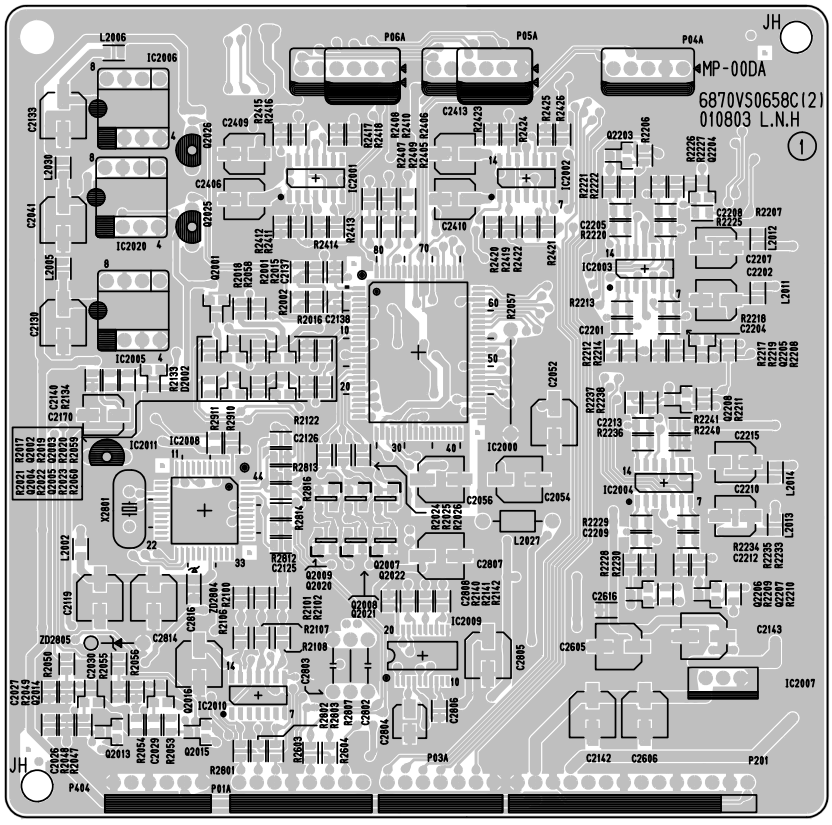
VM (TOP)



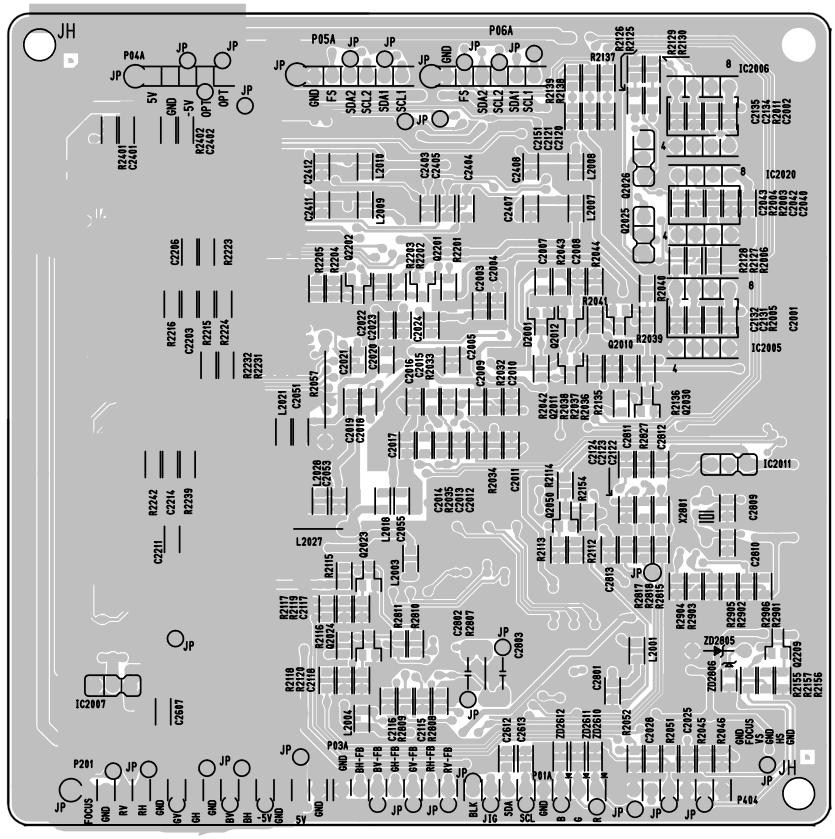
VM (BOTTOM)



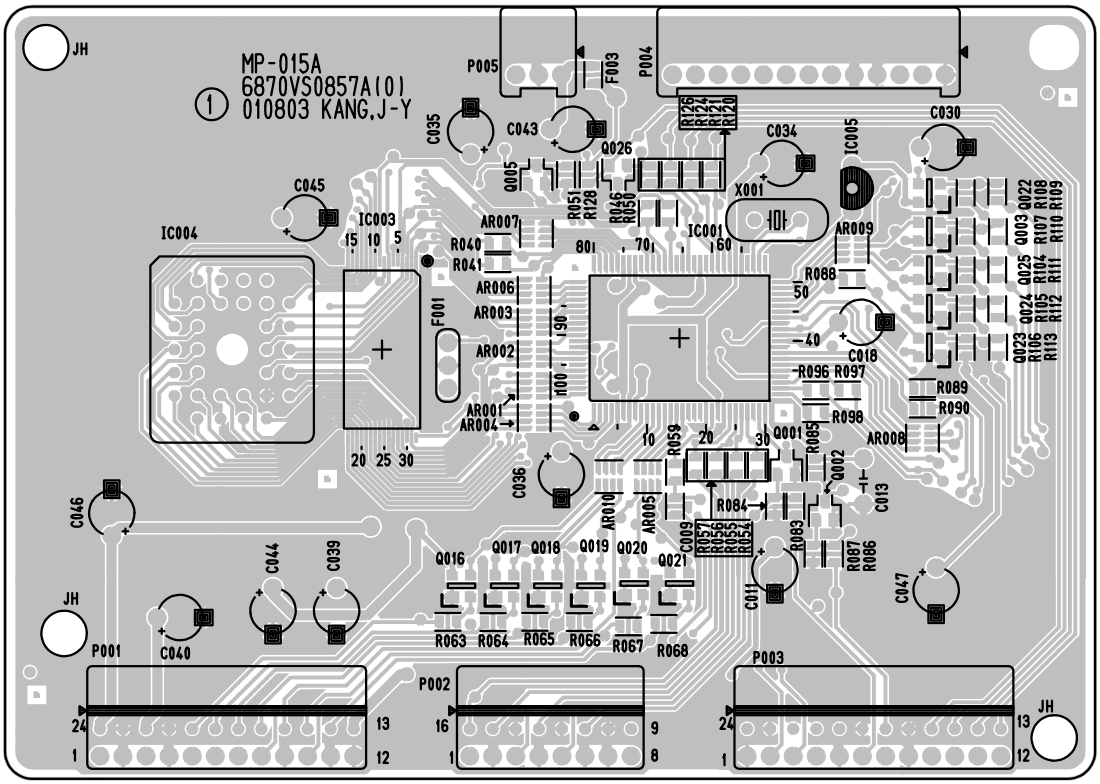
CONVERGENCE (TOP)



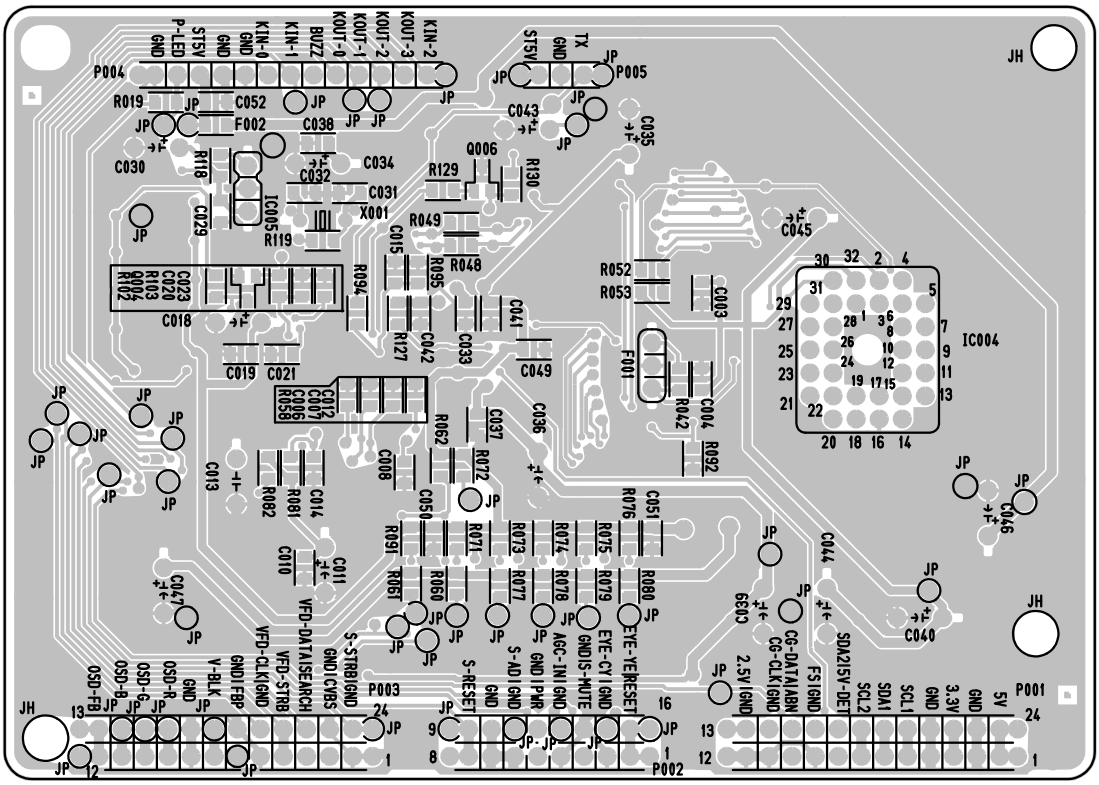
CONVERGENCE (BOTTOM)



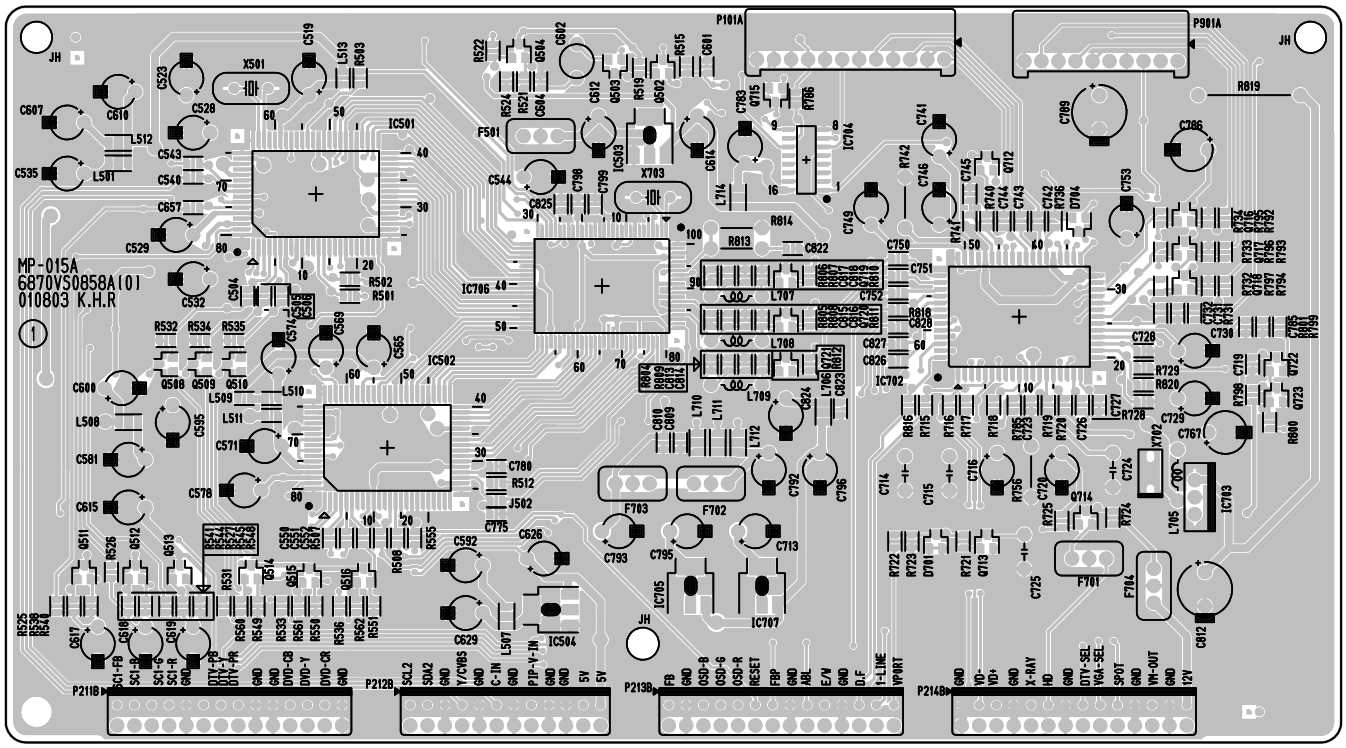
MICOM (TOP)



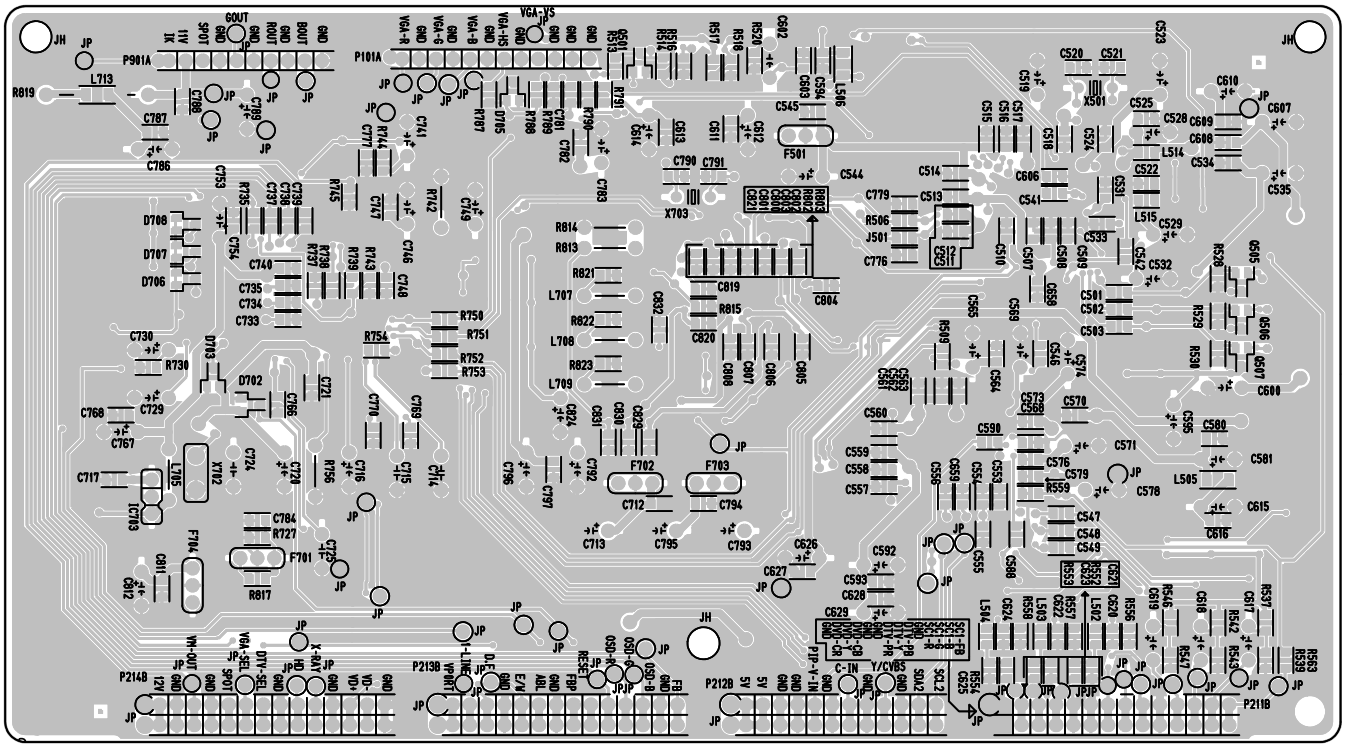
MICOM (BOTTOM)



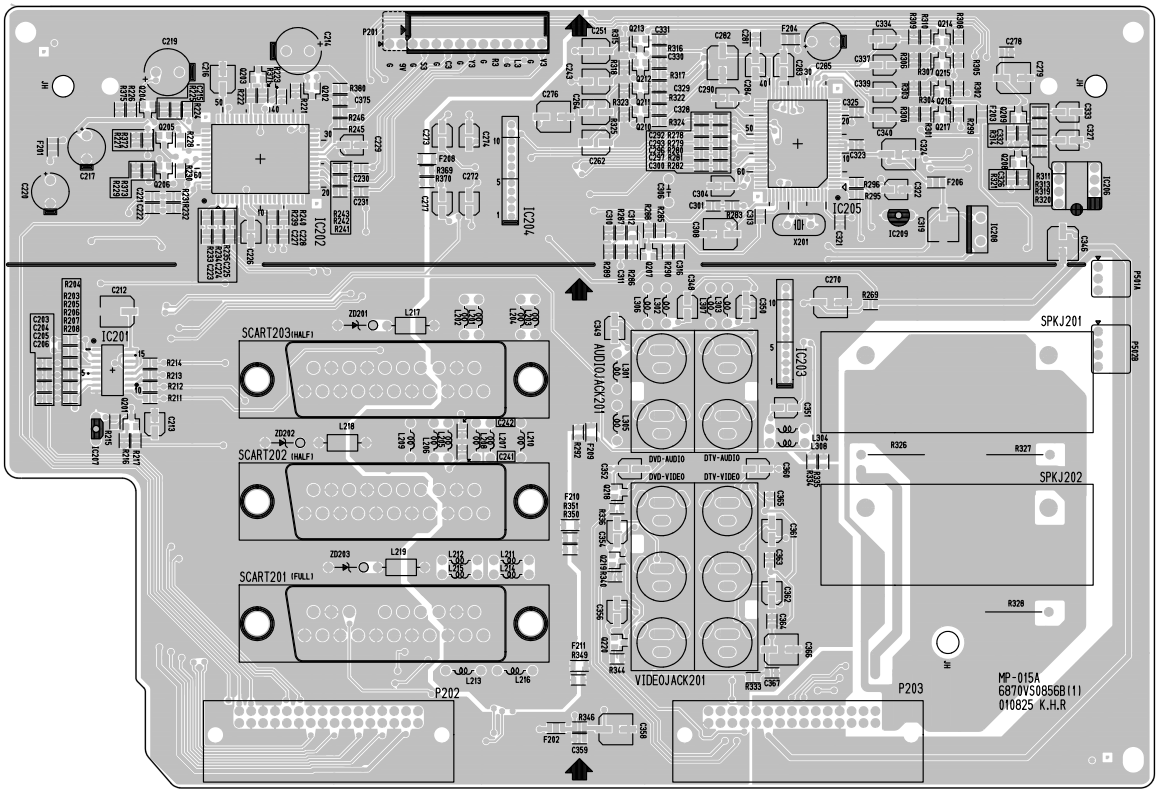
100HZ (TOP)



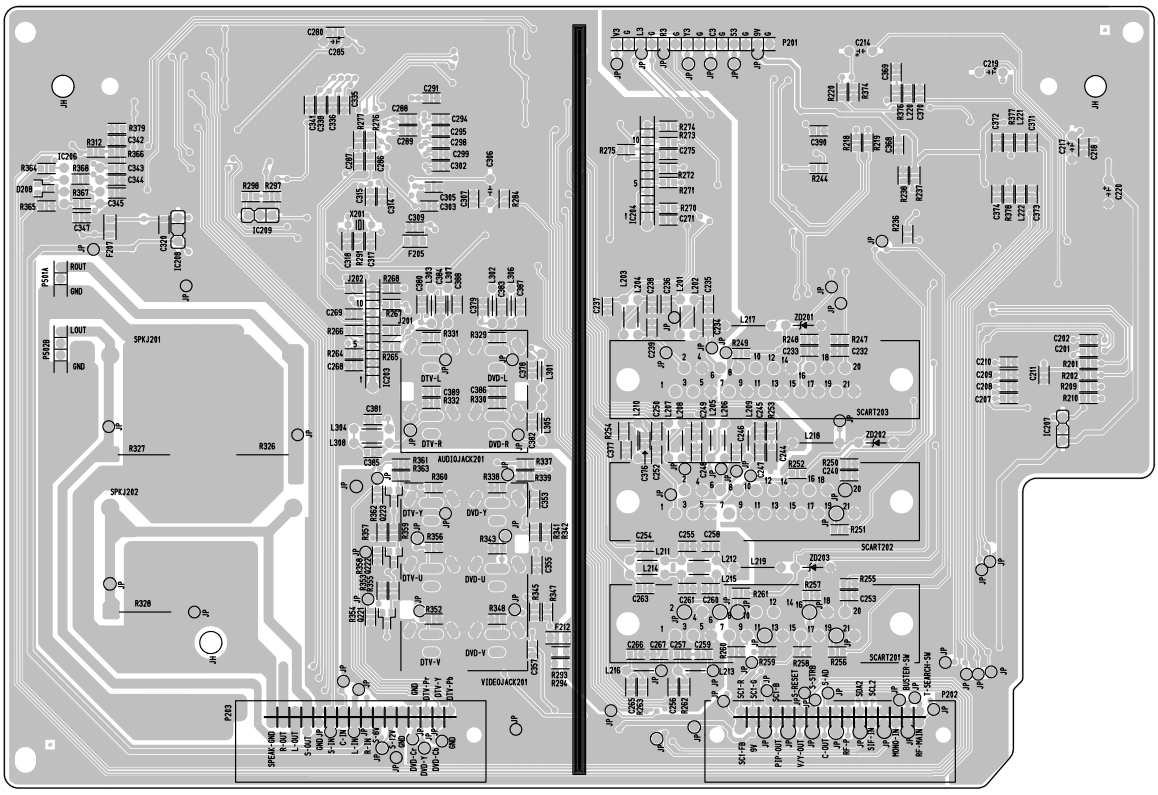
100HZ (BOTTOM)



AV (TOP)

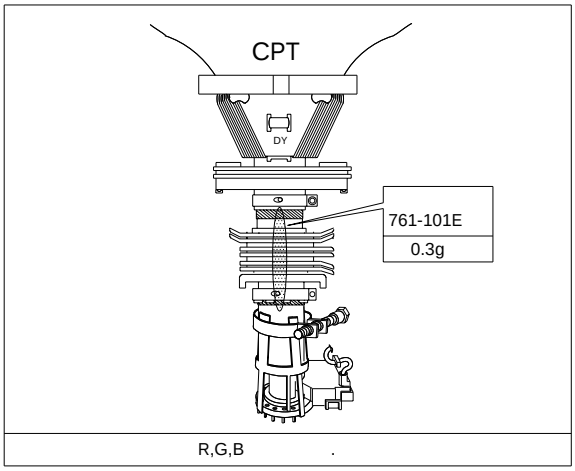


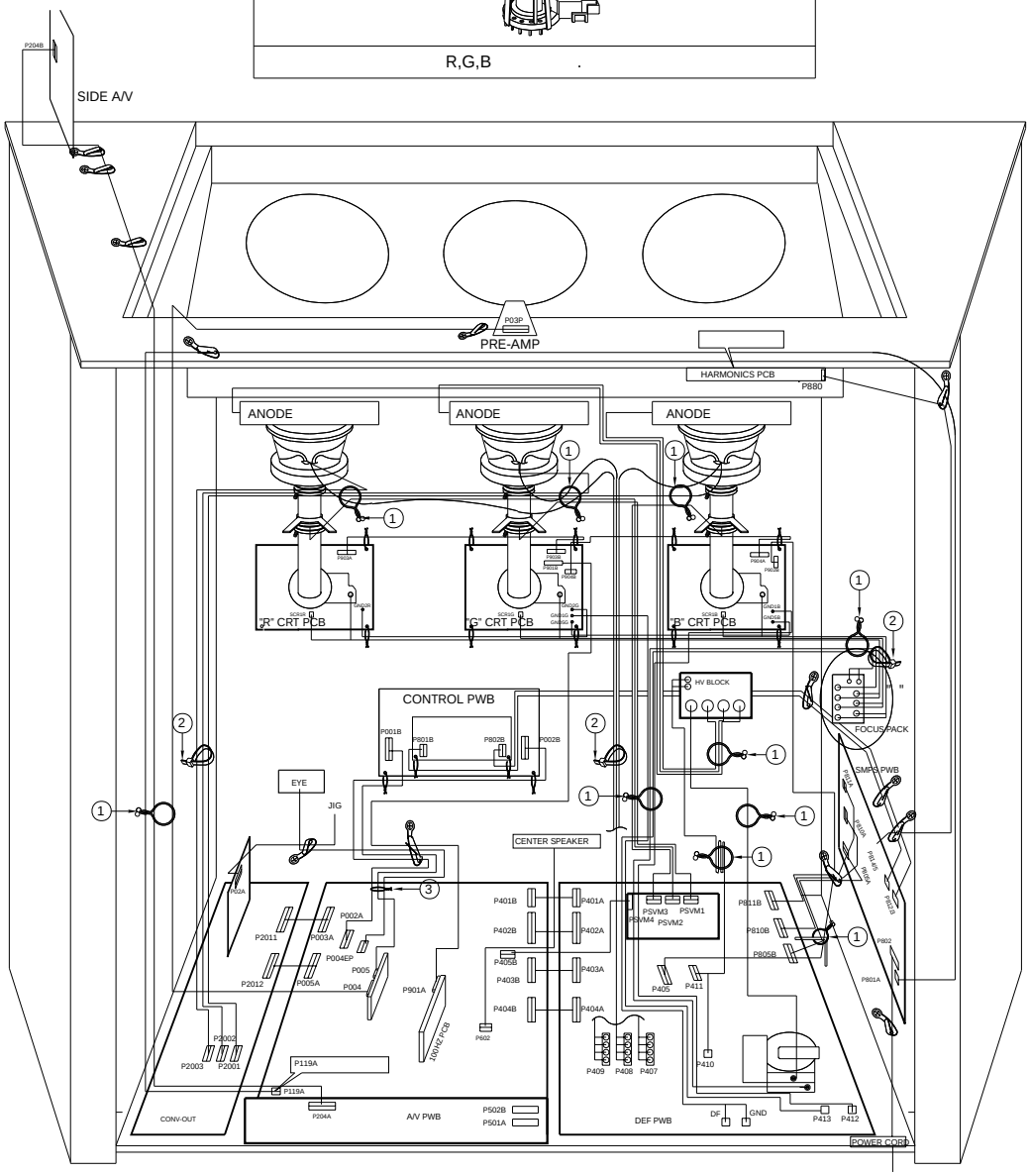
AV (BOTTOM)



WIRING DIAGRAM

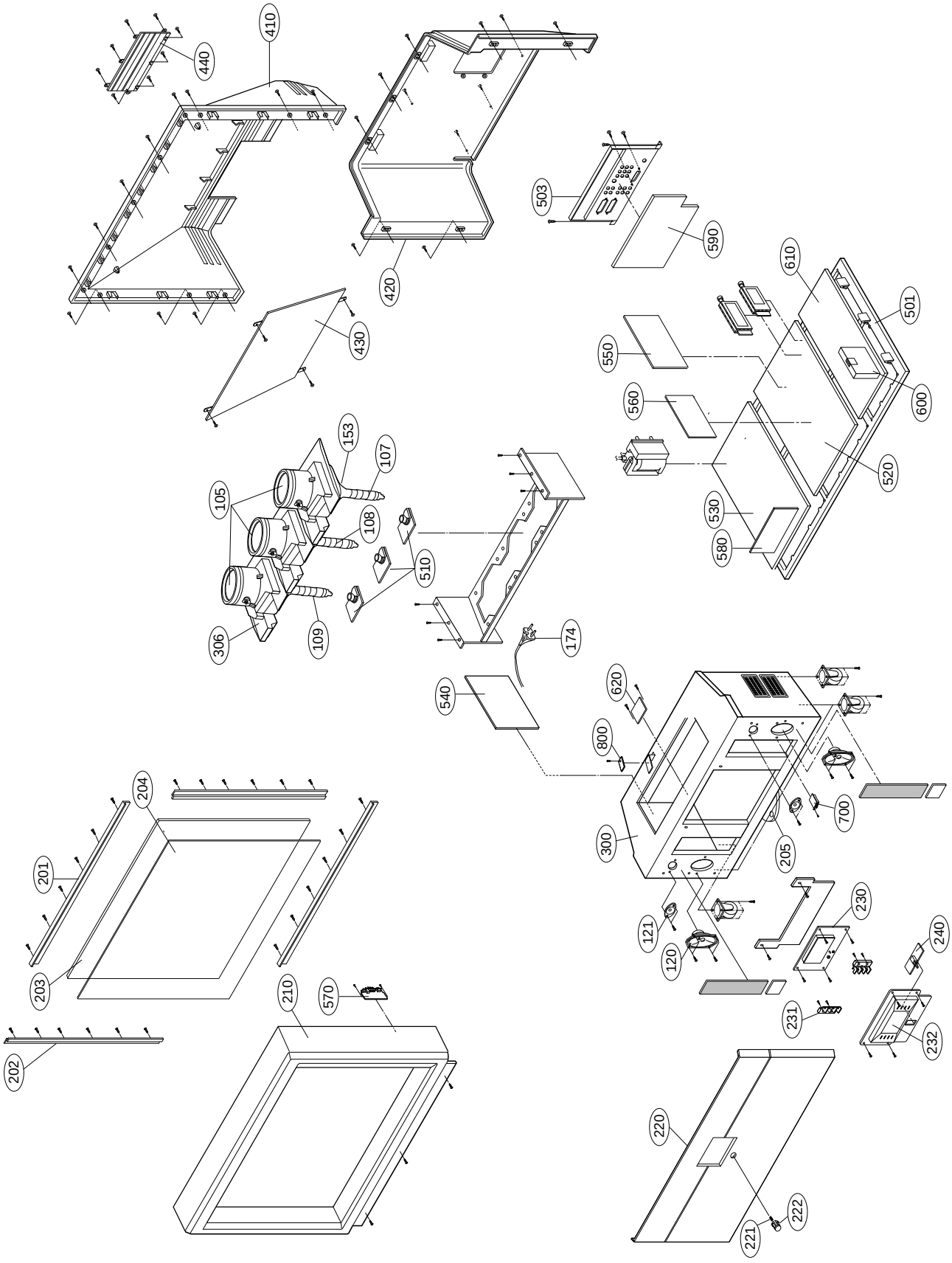
1. ITC & DYC .





MEMO

EXPLODED VIEW(PE-43A82T)

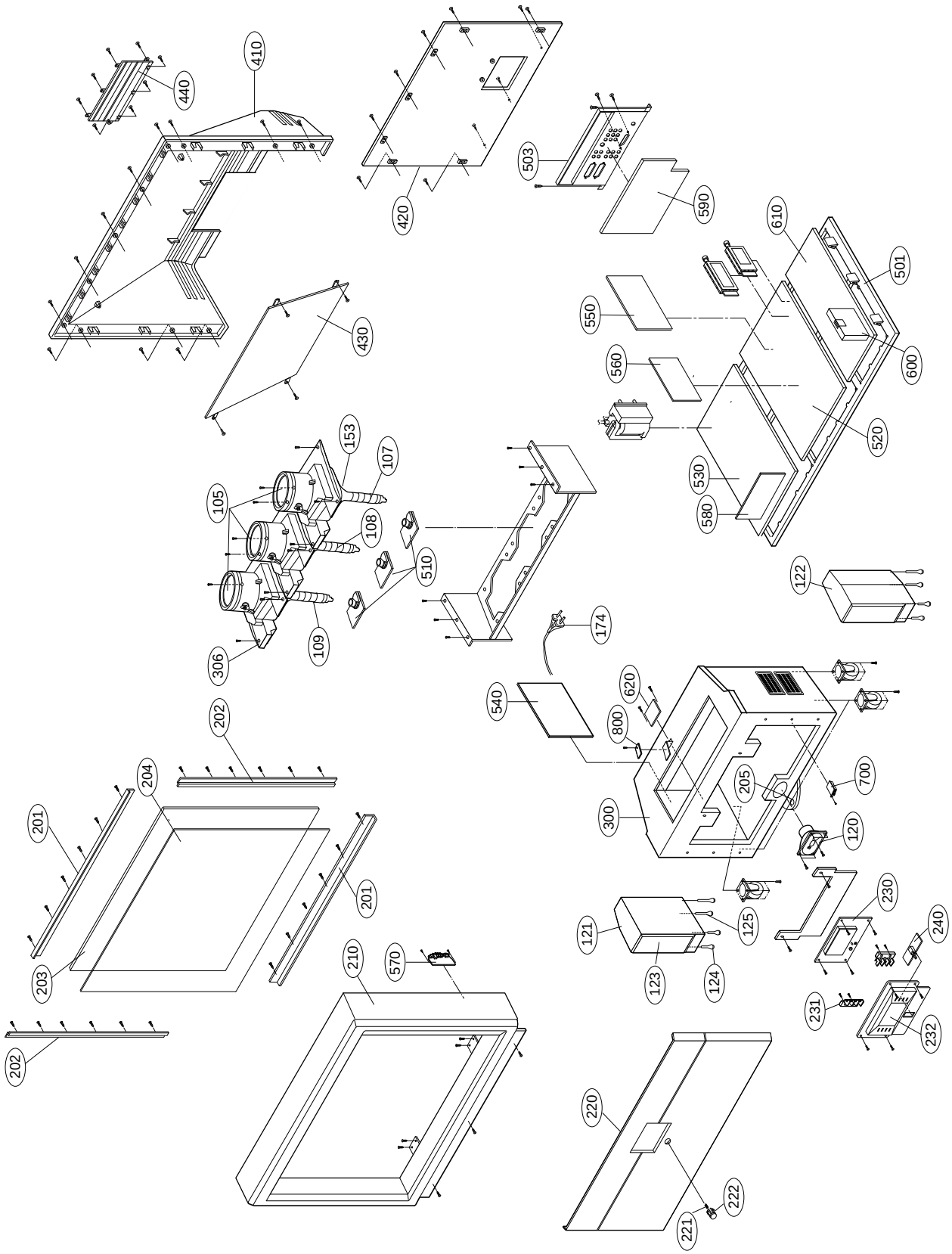


EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description
105	3680V00007A	LENS,SEKINOS SSM-75(50) . .
107	4810V00395F	BRACKET,BLUE LENS+COUPLER+CPT S/S
108	4810V00395E	BRACKET,GREEN LENS+COUPLER+CPT S/S
109	4810V00395D	BRACKET,RED LENS+COUPLER+CPT S/S
120	120-D38E	SPEAKER,MID-RANGE 8 OHM 15/25W 87DB 12
121	120-237C	SPEAKER,GENERAL TW 8 OHM 15W/20W 60PIE
⚠ 174	174-322D	POWER CORD(W/FILTER)L=300
	174-224G	POWER CORD
201	4980V00285A	SUPPORTER,43” TOP SCREEN SECC BOTTOM
202	4980V00285D	SUPPORTER, 43” SIDE SCREEN
203	3350V00013B	SCREEN,DNP 43”KP/GAIN6.0
204	3790V00022M	WINDOW,FILTER
205	4778V00031A	LEG ASSY,CENTER
210	3090V00212A	CABINET
220	3211V00034K	FRAME ASSY PL-
	3211V00034L	FRAME ASSY PE-
221	320-062J	SPRING,KNOB
222	5020V00393B	BUTTON,POWER
230	6871VSM972A	PWB ASSY,CONT+VFD
231	5020V00458A	BUTTON,CONTROL
232	4810V00328A	BRACKET ASSY CONTROL
240	6871VSM973A	PWB ASSY,PSW
300	3091V00250G	CABINET ASSY,LG 100HZ
306	4980V00139A	SUPPORTER,LENS/PRT
410	3809V00183C	BACK COVER ASSY
420	3809V00184A	BACK COVER ASSY,LOWER
430	5018V00019A	MIRROR,PLASTIC
440	3300V00062C	PLATE,BACK COVER
501	4810V00221C	BRACKET,MAIN PCB
503	4810V00419B	BRACKET,REAR A/V
510	6871VSM998A	PWB ASSY,CPT
520	6871VMM802A	PWB ASSY,MAIN PL-
	6871VMM802B	PWB ASSY,MAIN PE-
530	6871VDM120A	PWB ASSY,MAIN2
540	6871VPM069A	PWB ASSY,SMPS PE/PL NARROW
550	6871VSM964A	PWB ASSY,100HZ
560	6871VSM966A	PWB ASSY,MICOM
570	6871VSM761A	PWB ASSY,SIDE A/V
580	6871VSMA06A	PWB ASSY,VM
590	6871VSM995A	PWB ASSY,A/V
600	6871VSM968A	PWB ASSY,NARROW CONV OUT
610	6871VSM969A	PWB ASSY,MP-015A D-CONV
620	6871VSM974A	PWB ASSY,MP-015A HARMONICS
700	167-131F	IC,HIC 5P CY SENSOR MODULE
800	6871VSM760A	PWB ASSY,MAIN PRE-AMP

EXPLODED VIEW(PE-48A82T)

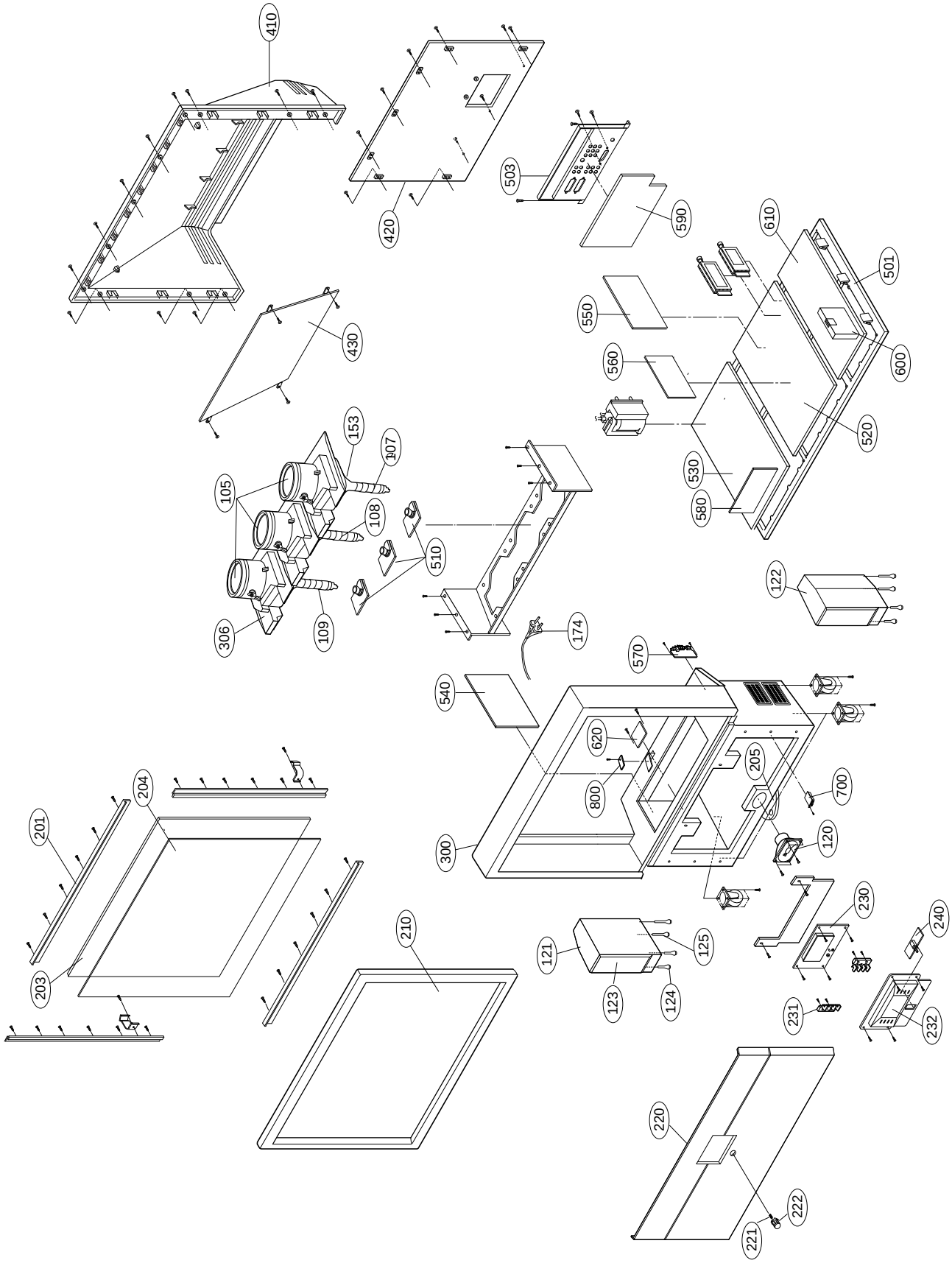


EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description
105	3680V00007A	LENS,SEKINOS SSM-75(50) . .
107	4810V00395F	BRACKET,BLUE LENS+COUPLER+CPT S/S
108	4810V00395E	BRACKET,GREEN LENS+COUPLER+CPT S/S
109	4810V00395D	BRACKET,RED LENS+COUPLER+CPT S/S
120	120-D38E	SPEAKER,MID-RANGE 8 OHM 15/25W 87DB
121	6401VD0006G	SPEAKER,FULLRANGE(L)WOOFER+TWEETER
122	6401VD0006H	SPEAKER,FULLRANGE(R)WOOFER+TWEETER
124	4778V00025A	LEG,SPEAKER BOX
125	4778V00028A	LEG,SPEAKER BOX
⚠ 174	174-322D	POWER CORD W/FILTER L=300(179B)VDE
	174-224G	POWER CORD
201	4980V00285B	SUPPORTER,TOP SCREEN BOTTOM
202	4980V00285C	SUPPORTER,SIDE SCREEN
203	3350V00011B	SCREEN,DNP 48”KP/GAIN6.0
204	3790V00022J	WINDOW,FILTER
205	4778V00031A	LEG ASSY,CENTER PN-53A8E . .
210	3090V00203A	CABINET
220	3211V00030L	FRAME ASSY PL-
	3211V00030H	FRAME ASSY PE-
221	320-062J	SPRING,KNOB
222	5020V00393B	BUTTON,POWER WHITE
230	6871VSM972A	PWB ASSY,CONT+VFD
231	5020V00458A	BUTTON,CONTROL 4KEY
232	4810V00328A	BRACKET ASSY CONTROL
240	6871VSM973A	PWB ASSY,POWER S/W
300	3091V00246H	CABINET ASSY,WOOD.100HZ CENTER
306	4980V00131A	SUPPORTER,LENS&PRT
410	3809V00189B	BACK COVER ASSY,UPPER
420	3809V00182B	BACK COVER ASSY,LOWER
430	5018V00016A	MIRROR,PLASTIC(48N)
440	3300V00062B	PLATE,B/COVER HIPS 60HR
501	4810V00221C	BRACKET,MAIN
503	4810V00419A	BRACKET,REAR A/V
510	6871VSM998A	PWB ASSY,CPT (015A) S/S
520	6871VMMA18A	PWB ASSY,MAIN PL-
	6871VMM741B	PWB ASSY,MAIN PE-
530	6871VDM120A	PWB ASSY,MAIN2
540	6871VPM069A	PWB ASSY,SMPS PE/PL,NARROW(015A) SET
550	6871VSM964A	PWB ASSY,100HZ
560	6871VSM966A	PWB ASSY,MICOM
570	6871VSM761A	PWB ASSY,SIDE A/V
580	6871VSMA06A	PWB ASSY,VM
590	6871VSM965A	PWB ASSY,A/V
600	6871VSM968A	PWB ASSY,NARROW,CONV(015A) SET
610	6871VSM969A	PWB ASSY,D-CONV
620	6871VSM974A	PWB ASSY,HARMONICS
700	0IGL120104G	IC,CDS MODULE 5 PIN BK 5V BK 16
800	6871VSM760A	PWB ASSY,MAIN PRE-AMP

EXPLODED VIEW(PE-53A82T)



EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description
105	3680V00007A	LENS,SEKINOS SSM-75(50)
107	4810V00395F	BRACKET,BLUE LENS+COUPLER+CPT S/S
108	4810V00395E	BRACKET,GREEN LENS+COUPLER+CPT S/S
109	4810V00395D	BRACKET,RED LENS+COUPLER+CPT S/S
120	120-D38E	SPEAKER,MID-RANGE 8 OHM 15/25W 87DB 12
121	6401VD0006G	SPEAKER,FULLRANGE (L)WOOFER+TWEETER
122	6401VD0006H	SPEAKER,FULLRANGE (R)WOOFER+TWEETER
124	4778V00025A	LEG,SPEAKER BOX
125	4778V00028A	LEG,SPEAKER BOX
⚠ 174	174-322D	POWER CORD(W/FILTER) L=300
	174-224G	POWER CORD
203	3350V00012B	SCREEN,DNP 53"KP/GAIN6.0
204	3790V00022K	WINDOW,FILTER PJT-53N MR-200/400 2T.
205	4778V00031A	LEG ASSY,CENTER
210	3090V00202A	CABINET,WOOD
220	3211V00033P	FRAME ASSY PL-
	3211V00033N	FRAME ASSY PE-
221	320-062J	SPRING,KNOB
222	5020V00393B	BUTTON,POWER
230	6871VSM972A	PWB ASSY,CONT+VFD
231	5020V00458A	BUTTON,CONTROL 4KEY
232	4810V00328A	BRACKET ASSY CONTROL
240	6871VSM973A	PWB ASSY,PSW
300	3091V00258H	CABINET ASSY
306	4980V00132A	SUPPORTER,CRT&LENS ETC
410	3809V00182B	BACK COVER ASSY,LOWER
420	3809V00190D	BACK COVER ASSY,UPPER
430	5018V00017A	MIRROR,PLASTIC(53N)
501	4810V00221C	BRACKET,MAIN PCB
503	4810V00419A	BRACKET,REAR A/V
510	6871VSM998A	PWB ASSY,CPT
520	6871VMMA18A	PWB ASSY,MAIN PL-
	6871VMMA18B	PWB ASSY,MAIN PE-
530	6871VDM120A	PWB ASSY,MAIN2
540	6871VPM069A	PWB ASSY,SMPS PE/PL NARROW
550	6871VSM964A	PWB ASSY,MP-015A 100HZ
560	6871VSM966A	PWB ASSY,MP-015A MICOM
570	6871VSM761A	PWB ASSY,SIDE A/V
580	6871VSMA06A	PWB ASSY,VM MP015A
590	6871VSM965A	PWB ASSY,A/V
600	6871VSM968A	PWB ASSY,MP-015A NARROW CONV OUT
610	6871VSM969A	PWB ASSY,MP-015A D-CONV
620	6871VSM974A	PWB ASSY,MP-015A HARMONICS
700	167-131F	IC,HIC 5P CY SENSOR MODULE
800	6871VSM760A	PWB ASSY,PRE-AMP

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
	IC	
IC001	0IAL241610B	IC,AT24C16-10PC-2.7 8PIN DIP ST E
IC001	0ISM555000A	IC,SDA5550 MQFP100 BK MICOM TXT M
IC002	0ISH052100C	IC,PQ05RD21 4SIP ST REGULATOR
IC003	0ISG111733B	IC,LD1117V33C 3SIP ST REGULATOR
IC003	0ISS610082A	IC,K6T1008V2E-TB(F)70 [K6T1008BLT
IC004	0ISG111725B	IC,LD1117V25 3 SIP ST REGULATOR M
IC004	0IZZVA0027A	IC,M27W201 32PLCC ST MP-015A .
IC005	0IFA752700A	IC,KA75270Z 3 TP RE-SET IC MC-007
IC005	0IFA754207A	IC,KA75420ZTA(KA7542ZTA) 3P,TO-92
IC006	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULA
IC007	0IMCRMI002A	IC,M62320P MITSUBISHI 16DIP ST I/
IC101	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULA
IC102	0IKE780900H	IC,KIA78L09BP(AT) 3P 9V,150MA
IC201	0IMI623200B	IC,M62320FP,I/O EXPANDER 16P SOP
IC201	0IKE780900M	IC,KIA7809API TO220 ST 3P 9V REGU
IC202	0IKE780800J	IC,KIA7808API 3 ST REGULATOR .
IC202	0ISO206900A	IC,CXA2069Q QFP64 BK I2C BUS AV S
IC203	0ISA722200A	IC,LA7222 (1280 AUDIO)
IC204	0ISA722200A	IC,LA7222 (1280 AUDIO)
IC205	0IMCRMN010A	IC,MSP3452 MICRONAS 80P QFP TRAY
IC205	0IIT341120B	IC,MSP3411G QA 64P
IC206	0IMY700000A	IC,MSGEQ7 8P DIP BK 7 BAND GRAPHI
IC207	0IKE780500P	IC,KIA78L05BP(AT) 3P 5V,150MA
IC208	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULA
IC209	0IFA754207A	IC,KA75420ZTA(KA7542ZTA) 3P,TO-92
IC301	0ISA784600A	IC,7846 SIP,10P BK V-OUT IC
IC401	0IKE358000A	IC,KIA358P DIP8 DUAL OP-AMP BK
IC402	0ISS393000G	IC,KA393 COMPARATOR 8DIP BK OP AM
IC403	0IKE781200P	IC,KIA7812API TO220 ST 3P 12V REG
IC405	0IKE782400C	IC,KIA7824API 3 ST REGULATOR .
IC406	0IKE455800E	IC,KIA4558 8DIP DUAL OP AMP
IC408	0IKE358000A	IC,KIA358P DIP8 DUAL OP-AMP BK
IC409	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULA
IC410	0ISS790500C	IC,KA7905 TO-220 BK REGULATOR IC
IC501	0IIT323000D	IC,VPC3230D QA B4 80P QFP TRAY SO
IC501	0ISA701600A	IC,LA7016 8S ANALOG S/W
IC502	0IIT323000D	IC,VPC3230D QA B4 80P QFP TRAY SO
IC502	0ISH052100C	IC,PQ05RD21 4SIP ST REGULATOR
IC503	0ISJ111733A	IC,EZ1117CST-3.3 3P,SOT-223 TP 3.
IC504	0ISJ111733A	IC,EZ1117CST-3.3 3P,SOT-223 TP 3.
IC601	0ISG726500A	IC,TDA7265 11P BK PWR AMP 25W,25W
IC602	0ISG726500A	IC,TDA7265 11P BK PWR AMP 25W,25W
IC702	0ISO210000A	IC,CXA2100AQ 64P QFP BK DEFLECTIO
IC703	0IKE780900M	IC,KIA7809API TO220 ST 3P 9V REGU
IC704	0IMO741570H	IC,SN74LS157D 16P,SOP TP QUAD 2IN
IC705	0ISJ111733A	IC,EZ1117CST-3.3 3P,SOT-223 TP 3.
IC706	0ISM941000A	IC,SDA9410 100QFP BK SCAN CONVERT
IC707	0ISJ111733A	IC,EZ1117CST-3.3 3P,SOT-223 TP 3.
IC801	0ISK665813A	IC,STR-F6658B(LF1352) 5PIN SIP BK
IC801	0INE163110A	IC,UPD16311GC-AB6 FIP DRIV 52PQFP
ICP802	0IKE780500Q	IC,KIA7805API 3P TO-220 ST REGULA

LOCA. NO	PART NO	DESCRIPTION
IC871	0ISK115000A	IC,SE115N(LF12) 3P 115V ERROR AMP
IC887	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
IC891	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
IC901B	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC901G	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC901R	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC2000	0ICTMSG001A	IC,STV2050A SGS-THOMSON 80PIN TQF
IC2001	0ISA392120A	IC,STK392-120 18P,SIP BK CONVERGE
IC2002	0ISA392120A	IC,STK392-120 18P,SIP BK CONVERGE
IC2003	0ITI347000A	IC,LF347D 14P,SOP TP QUAD OPERATI
IC2004	0ITI347000A	IC,LF347D 14P,SOP TP QUAD OPERATI
IC2005	0IAL241600B	IC,AT24C16-10PC 8D EEPROM 16K
IC2007	0ISG111733B	IC,LD1117V33C 3SIP ST REGULATOR
IC2008	0IAL895224E	IC,AT89C52-24AC 44A TRAY U-CONTRO
IC2009	0IMI350710A	IC,M35071-002FP 20P,SOP TP OSD IC
IC2010	0IPH741400E	IC,74HC14D 14SOP TP SHITTER TRIGG
IC2011	0IKE744200A	IC,KIA7442P TO-92 NEGA.RESET(4.2V
IC2020	0IMCRAL003A	IC,AT24C164-10PC ATMEL 8PIN ST EE
Q2025	0IFA270000A	IC,2N7000TA TO-92, 3P TP LEVEL SH
Q2026	0IFA270000A	IC,2N7000TA TO-92, 3P TP LEVEL SH
	DIODE	
D001	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D002	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D003	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D004	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D005	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D006	0DD410009AA	DIODE,RECTIFIER SCHOTTKY,BAT 41 TP
D007	0DD410009AA	DIODE,RECTIFIER SCHOTTKY,BAT 41 TP
D008	0DD410009AA	DIODE,RECTIFIER SCHOTTKY,BAT 41 TP
D208	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D302	0DD150009CE	DIODE,RECTIFIER GP15J TP (1.5A/600V) GI
D401	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D402	0DD414809ED	DIODE,1N4148 TA
D403	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D404	0DD414809ED	DIODE,1N4148 TA
D406	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D408	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D409	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D410	0DD200009AH	DIODE,RECTIFIER RU2AMV(1) TP SANKEN
D414	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM),GI
D415	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM),GI
D416	0DD340009EA	DIODE,RECTIFIER BYW34 TP(2A/400V)
D417	0DD340009EA	DIODE,RECTIFIER BYW34 TP(2A/400V)
D418	0DD340009EA	DIODE,RECTIFIER BYW34 TP(2A/400V)
D419	0DD200009AH	DIODE,RECTIFIER RU2AMV(1)
D420	0DD200009AH	DIODE,RECTIFIER RU2AMV(1)
D424	0DD100009AQ	DIODE,RP1HV(1)
D426	0DD410000AC	DIODE,RECTIFIER RU4DS,LF-L1
D427	0DR500000AA	DIODE,RECTIFIER FMQ-G5FMS
D430	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D432	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D433	0DS113379BA	DIODE,SWITCHING 1SS133 T-72

LOCA. NO	PART NO	DESCRIPTION
D434	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D435	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D437	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D600	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D601	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D602	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D603	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D605	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D606	0DS113379BA	DIODE,SWITCHING 1SS133 T-72
D701	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D702	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D703	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D704	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D705	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D706	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D707	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D708	0DD184009AA	DIODE,SWITCHING KDS184S CHIP 85V 300MA
D805	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D806	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP SANKEN
D807	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP SANKEN
D808	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP SANKEN
D815	0DD606000AA	DIODE,RECTIFIER RBV606,SANKEN
D831	0DD420000BB	DIODE,D4L20U SHINDENGEN
D832	0DD420000BB	DIODE,D4L20U SHINDENGEN
D834	0DD300009AC	DIODE,RECTIFIER RU3AMV(1) TP SANKEN
D841	0DD420000BB	DIODE,D4L20U SHINDENGEN
D845	0DD420000BB	DIODE,D4L20U SHINDENGEN
D851	0DD420000BB	DIODE,D4L20U SHINDENGEN
D861	0DD200009AH	DIODE,RECTIFIER RU2AMV(1) TP SANKEN
D871	0DR360000AA	DIODE,RECTIFIER FMG-36S 2.2V
D888	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D890	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D891	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D892	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D893	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D894	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D895	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D896	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D897	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D898	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D899	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP
D901B	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D901G	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D901R	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D901	0DD226239AA	DIODE,SWITCHING CHIP KDS226 SOT-23
D902B	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D902G	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D902R	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D903B	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D903R	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D903G	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D904	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23

LOCA. NO	PART NO	DESCRIPTION
D907	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23
D908	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23
D910	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23
D930	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D931	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D932	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D933	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D950	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D951	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D952	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D953	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D970	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D971	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D972	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D973	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
D2002	0DD184009AA	DIODE,KDS184S CHIP 85V 300MA KEC TP
DL701	0DL100000AE	LED SA5711(DL-1LO) BK AMBER -
DP801	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
DP802	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
DP803	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
DP804	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP G.I
DP812	0DS113379BA	DIODE,SWITCHING 1SS133 T-72 TP ROHM
ZD004	0DZ110009AD	DIODE,ZENER MTZJ11B TP ROHM-K DO34 - 11V
ZD101	0DZ330009BA	DIODE,ZENER HZT33(TP) HITACHI
ZD102	0DZ330009BA	DIODE,ZENER HZT33(TP) HITACHI
ZD201	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD202	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD203	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD300	0DZ240009CG	DIODE,ZENER MTZJ24B TP ROHM-K DO34 - 24V
ZD301	0DZ560009CF	DIODE,ZENER MTZJ5.6B TP ROHM-K DO34 0.5W
ZD302	0DZ240009CG	DIODE,ZENER MTZJ24B TP ROHM-K DO34 - 24V
ZD303	0DZ240009CG	DIODE,ZENER MTZJ24B TP ROHM-K DO34 - 24V
ZD401	0DZ910009AJ	DIODE,ZENER MTZJ9.1B TP ROHM-K DO34 0.5W
ZD402	0DZ240009DC	DIODE,ZENER MTZJ2.4B TP ROHM-K DO34 0.5W
ZD404	0DZ510009DB	DIODE,ZENER MTZJ5.1B TP ROHM-K DO34 - 5.
ZD405	0DZ510009DB	DIODE,ZENER MTZJ5.1B TP ROHM-K DO34 - 5.
ZD406	0DZ510009DB	DIODE,ZENER MTZJ5.1B TP ROHM-K DO34 - 5.
ZD407	0DZ820009AH	DIODE,ZENER MTZJ8.2B TP ROHM-K DO34 - 8.2
ZD410	0DZ560009CF	DIODE,ZENER MTZJ5.6B TP ROHM-K DO34 0.5W
ZD411	0DZ130009CJ	DIODE,ZENER MTZJ13B TP ROHM-K DO34 0.5W 1
ZD412	0DZ130009CJ	DIODE,ZENER MTZJ13B TP ROHM-K DO34 0.5W 1
ZD413	0DZ300009BB	DIODE,ZENER MTZJ30B TP ROHM-K DO34 0.5W 3
ZD415	0DZ360009BC	DIODE,ZENER MTZJ3.6B TP ROHM-K DO34 0.5W
ZD501	0DZ120009AF	DIODE,ZENER MTZJ12B TP ROHM-K DO34 - 12V
ZD601	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD602	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD801	0DZ150009AD	DIODE,ZENER MTZJ15B TP ROHM-K DO34 500MW
ZD892	0DZ510009AB	DIODE,ZENER MTZ5.1B TP ROHM-K - - - - -
ZD901B	0DZ560009CF	DIODE,ZENER MTZJ5.6B TP ROHM-K DO34 0.5W
ZD901G	0DZ560009CF	DIODE,ZENER MTZJ5.6B TP ROHM-K DO34 0.5W
ZD901R	0DZ560009CF	DIODE,ZENER MTZJ5.6B TP ROHM-K DO34 0.5W
ZD902B	0DZ110009AD	DIODE,ZENER MTZJ11B TP ROHM-K DO34 - 11V

LOCA. NO	PART NO	DESCRIPTION
ZD902G	0DZ110009AD	DIODE,ZENER MTZJ11B TP ROHM-K DO34 - 11V
ZD902R	0DZ110009AD	DIODE,ZENER MTZJ11B TP ROHM-K DO34 - 11V
ZD1001	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1002	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1003	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1004	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1005	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1006	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1007	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD1008	0DZ620009BB	DIODE,ZENER MTZJ6.2B TP ROHM-K DO34 0.5W
ZD2610	0DZRM00178A	DIODE,ZENER UDZS TE-17 5.1B ROHM R/TP SMD
ZD2611	0DZRM00178A	DIODE,ZENER UDZS TE-17 5.1B ROHM R/TP SMD
ZD2612	0DZRM00178A	DIODE,ZENER UDZS TE-17 5.1B ROHM R/TP SMD
ZD2804	0DZRM00178A	DIODE,ZENER UDZS TE-17 5.1B ROHM R/TP SMD
ZD2805	0DZ240009DC	DIODE,ZENER MTZJ2.4B TP ROHM-K DO34 0.5W
TRANSISTOR		
Q001	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q001	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q002	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q002	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q003	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q003	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q004	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q004	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q005	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q006	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q006	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q007	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q016	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q017	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q018	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q019	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q020	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q021	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q022	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q023	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q024	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q025	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q026	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q101	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q102	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q103	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q104	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q105	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q106	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q107	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q108	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q109	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q110	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q201	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q203	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q210	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q213	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q214	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q215	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q216	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q217	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q218	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q219	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q220	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q221	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q222	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q223	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q301	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q304	0TR205900AB	TR,KTD2059-Y TO-220IS KEC
Q402	0TFIR10003A	TR,INTERNATIONAL RECTIFIER IRFBC2
Q403	0TR544600AA	TR,2SC5446(AS) BK TOSHIBA TO3P 17
Q405	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q406	0TR471000AA	TR,2SC4710 SANYO OTOROLA IBA
Q407	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q408	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q409	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q410	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q413	0TFIR10003A	TR,INTERNATIONAL RECTIFIER IRFBC2
Q416	0TR188700AA	TR,2SD1887 TO-3PML SANYO
Q417	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q419	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q420	0TR421009CB	TR,BF421L(AMMO)TO-92 TP PHILIPS
Q421	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q422	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q423	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q424	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q426	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q427	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q428	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q429	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q432	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q433	0TFHT00001A	TR,HITACHI 2SK3160 BK TO-220FM 20
Q501	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q502	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q502	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q503	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q503	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q504	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q505	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC

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RN : Metal Film
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LOCA. NO	PART NO	DESCRIPTION
Q506	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q507	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q508	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q509	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q510	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q511	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q512	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q513	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q514	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q515	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q516	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q600	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q601	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q602	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q603	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q604	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q712	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q713	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q714	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q715	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q716	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q717	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q718	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q719	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q720	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q721	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q722	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q723	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q771	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q801	0TR385200AA	TR,2SC3852A SANKEN
Q891	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q901B	0TR223800AA	TR,KTC2238A-Y
Q901G	0TR223800AA	TR,KTC2238A-Y
Q901R	0TR223800AA	TR,KTC2238A-Y
Q901	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q902	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q902B	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q902R	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q902G	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q903	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q904	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q905G	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q905	0TR127409AB	TR,KTA1274-Y TO-92L TP KEC
Q906	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q907	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q908	0TR127409AB	TR,KTA1274-Y TO-92L TP KEC
Q930	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q931	0TR127409AB	TR,KTA1274-Y TO-92L TP KEC
Q933	0TR153500AA	TR,2SA1535A BK PANASONIC TO220 -1
Q940	0TR394400AA	TR,2SC3944A BK PANASONIC TO220 18
Q950	0TR127409AB	TR,KTA1274-Y TO-92L TP KEC
Q951	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q952	0TR153500AA	TR,2SA1535A BK PANASONIC TO220 -1
Q953	0TR394400AA	TR,2SC3944A BK PANASONIC TO220 18
Q970	0TR127409AB	TR,KTA1274-Y TO-92L TP KEC
Q971	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q972	0TR394400AA	TR,2SC3944A BK PANASONIC TO220 18
Q973	0TR153500AA	TR,2SA1535A BK PANASONIC TO220 -1
Q2001	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q2001	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2002	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2002	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815
Q2003	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2004	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2005	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2007	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2008	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2009	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2013	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2014	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2015	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2016	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2020	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2021	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2022	0TR830009BA	TR,BSS83 TP PHILIPS NON N-CHANNEL
Q2023	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2024	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2050	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2201	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2202	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q2203	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2204	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2205	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2206	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2207	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2208	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2209	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QP810	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
QP811	0TR319809AA	TR,KTC3198 TP KEC - - -Y (KTC1815

CAPACITOR

C001	0CE107DK618	100UF STD 50V M FL TP5
C01P	0CN1030F679	10000P 16V M Y TA52
C02P	0CE476DD618	47UF STD 10V 20% FL TP 5
C002	0CN1030F679	10000P 16V M Y TA52
C003	0CE476DD618	47UF STD 10V 20% FL TP 5
C004	0CN1030F679	10000P 16V M Y TA52
C005	0CE227DF618	220UF STD 16V M FL TP5
C006	0CE477DD618	470UF STD 10V M FL TP5
C007	0CE477DD618	470UF STD 10V M FL TP5
C008	0CE477DD618	470UF STD 10V M FL TP5
C009	0CE227DF618	220UF STD 16V M FL TP5
C010	0CE476DD618	47UF STD 10V 20% FL TP 5
C011	0CE476DD618	47UF STD 10V 20% FL TP 5

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LOCA. NO	PART NO	DESCRIPTION
C011	0CN1040K949	0.1M 50V Z F TA52
C012	0CE107DD618	100UF STD 10V M FL TP5
C013	0CE227DD618	220UF STD 10V M FL TP5
C013	0CQ1031N509	0.01U 100V K POLY TP
C014	0CE227DD618	220UF STD 10V M FL TP5
C015	0CE107DK618	100UF STD 50V M FL TP5
C016	0CE106DN618	10UF STD 100V M FL TP5
C017	0CE476DK618	47UF STD 50V M FL TP5
C018	0CE476DD618	47UF STD 10V 20% FL TP 5
C018	0CN1030F679	10000P 16V M Y TA52
C019	0CN1040K949	0.1M 50V Z F TA52
C020	0CE477DD618	470UF STD 10V M FL TP5
C021	0CN1040K949	0.1M 50V Z F TA52
C022	0CE477DD618	470UF STD 10V M FL TP5
C023	0CE477DD618	470UF STD 10V M FL TP5
C024	0CE477DD618	470UF STD 10V M FL TP5
C030	0CE106DF618	10UF STD 16V M FL TP5
C031	0CN1030F679	10000P 16V M Y TA52
C032	0CE476DD618	47UF STD 10V 20% FL TP 5
C034	0CE476DD618	47UF STD 10V 20% FL TP 5
C035	0CE476DD618	47UF STD 10V 20% FL TP 5
C036	0CE476DD618	47UF STD 10V 20% FL TP 5
C039	0CE107DD618	100UF STD 10V M FL TP5
C040	0CE107DD618	100UF STD 10V M FL TP5
C043	0CE476DD618	47UF STD 10V 20% FL TP 5
C044	0CE107DD618	100UF STD 10V M FL TP5
C045	0CE107DD618	100UF STD 10V M FL TP5
C046	0CE107DD618	100UF STD 10V M FL TP5
C047	0CE107DD618	100UF STD 10V M FL TP5
C051	0CN1030F679	10000P 16V M Y TA52
C101	0CN1030F679	10000P 16V M Y TA52
C104	0CE106DK618	10UF STD 50V M FL TP5
C105	0CN1030F679	10000P 16V M Y TA52
C107	0CE476DF618	47UF STD 16V M FL TP5
C108	0CN1030F679	10000P 16V M Y TA52
C109	0CN1010K519	100P 50V K B TA52
C110	0CN1030F679	10000P 16V M Y TA52
C111	0CE476DF618	47UF STD 16V M FL TP5
C112	0CN1040K949	0.1M 50V Z F TA52
C115	0CK1030K945	0.01UF 50V Z F TR
C116	0CE477DD618	470UF STD 10V M FL TP5
C118	0CX4700K409	47P 50V J SL TA52
C119	0CX4700K409	47P 50V J SL TA52
C121	0CN1030F679	10000P 16V M Y TA52
C122	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C123	0CE227DF618	220UF STD 16V M FL TP5
C124	0CN1040K949	0.1M 50V Z F TA52
C125	0CE476DF618	47UF STD 16V M FL TP5
C126	0CN1040K949	0.1M 50V Z F TA52
C127	0CE108DD618	1000UF STD 10V M FL TP5
C130	0CE477DD618	470UF STD 10V M FL TP5
C131	0CN1030F679	10000P 16V M Y TA52

LOCA. NO	PART NO	DESCRIPTION
C132	0CX4700K409	47P 50V J SL TA52
C133	0CX4700K409	47P 50V J SL TA52
C134	0CN1040K949	0.1M 50V Z F TA52
C135	0CE227DF618	220UF STD 16V M FL TP5
C136	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C137	0CN1030F679	10000P 16V M Y TA52
C138	0CE476DF618	47UF STD 16V M FL TP5
C139	0CN1030F679	10000P 16V M Y TA52
C140	0CK1030K945	0.01UF 50V Z F TR
C141	0CE106DK618	10UF STD 50V M FL TP5
C144	0CE1074F618	100UF SRA 16V M FL TP5
C145	0CE477DF618	470UF STD 16V 20% FL TP 5
C201	0CN1030F679	10000P 16V M Y TA52
C202	0CE108DF618	1000UF STD 16V M FL TP5
C203	0CE227DF618	220UF STD 16V M FL TP5
C205	0CE227DF618	220UF STD 16V M FL TP5
C206	0CE108DF618	1000UF STD 16V M FL TP5
C207	0CE477DF618	470UF STD 16V 20% FL TP 5
C212	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C213	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C214	0CE477DF618	470UF STD 16V 20% FL TP 5
C216	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C217	0CE227DF618	220UF STD 16V M FL TP5
C219	0CE477DF618	470UF STD 16V 20% FL TP 5
C220	0CE227DF618	220UF STD 16V M FL TP5
C226	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C229	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C243	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C251	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C262	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C264	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C270	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C272	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C273	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C274	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C276	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C277	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C279	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C282	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C283	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C284	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C285	0CE227DF618	220UF STD 16V M FL TP5
C290	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C301	0CQ3341N401	0.33U 100V J POLY F5
C302	0CE107DK618	100UF STD 50V M FL TP5
C303	0CE108DH618	1000UF STD 25V M FL TP5
C304	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C304	0CE108DH618	1000UF STD 25V M FL TP5
C305	0CN1030F679	10000P 16V M Y TA52
C306	0CN1020K519	1000P 50V K B TA52
C306	181-007G	MPE ECQ-V1H334JL3(TR), 50V 0.3
C307	0CE475DK618	4.7UF STD 50V 20% FL TP 5

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LOCA. NO	PART NO	DESCRIPTION
C308	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C315	0CQ1042K439	0.1000UF S 50V J M/PE NI TP
C319	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C322	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C324	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C327	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C333	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C334	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C337	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C339	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C340	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C344	0CQ1041N509	0.1U 100V K POLY TP
C346	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C348	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C349	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C350	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C351	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C352	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C354	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C356	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C358	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C360	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C361	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C362	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C366	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C401	0CE5651K652	5.6UF SM,SA 50V 20% FM7.5 BP(S
C402	0CE5651K652	5.6UF SM,SA 50V 20% FM7.5 BP(S
C403	0CK47101515	470P 1KV K B TS
C405	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP
C406	181-013T	MPP 400V 0.70UF J
C407	181-010W	PP 800V 0.0047UF J
C409	181-009R	PP 200V 0.022UF K
C411	0CQ4721N509	0.0047U 100V K POLY TP
C412	0CE107DK618	100UF STD 50V M FL TP5
C413	0CE477DF618	470UF STD 16V 20% FL TP 5
C414	0CE477DF618	470UF STD 16V 20% FL TP 5
C415	181-091G	DEHR33D471KN3A DE0907-486
C416	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C417	0CE106DR618	10UF STD 250V M FL TP5
C418	0CE477DH618	470UF STD 25V M FL TP5
C419	0CE337DF618	330UF STD 16V M FL TP5
C421	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C422	0CE227BP650	220UF KME TYPE 160V 20% FM7.5
C423	0CE107DK618	100UF STD 50V M FL TP5
C424	0CK2210W515	220P 500V K B TS
C425	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP
C426	0CN1040K949	0.1M 50V Z F TA52
C427	0CN1030F679	10000P 16V M Y TA52
C428	181-001B	CE 200V 470UF M LUG (105)
C430	0CK47101515	470P 1KV K B TS
C432	0CE477DF618	470UF STD 16V 20% FL TP 5
C434	0CE227BP650	220UF KME TYPE 160V 20% FM7.5

LOCA. NO	PART NO	DESCRIPTION
C436	181-015L	MPP 1600V 0.0095UF H
C437	0CN6810K519	680P 50V K B TA52
C440	0CK5610W515	560P 500V K B TS
C441	0CE476DK618	47UF STD 50V M FL TP5
C443	0CC1010K415	100P 50V J NP0 TS
C444	0CQ3321N509	0.0033U 100V K POLY TP
C446	0CE476DK618	47UF STD 50V M FL TP5
C447	0CN1040K949	0.1M 50V Z F TA52
C448	0CN1030F679	10000P 16V M Y TA52
C449	0CE105DK618	1UF STD 50V M FL TP5
C450	0CN1040K949	0.1M 50V Z F TA52
C451	0CQ1021N509	0.001U 100V K POLY TP
C452	0CE105DK618	1UF STD 50V M FL TP5
C454	0CE1074F618	100UF SRA 16V M FL TP5
C457	0CN1040K949	0.1M 50V Z F TA52
C460	0CE107DK618	100UF STD 50V M FL TP5
C461	0CK47202510	4700P 2KV K B S
C462	0CE226CR618	22UF SHL,SD 250V M FL TP 5
C463	181-014Y	MPP 1.6KV 0.0015UF J
C464	181-015F	MPP 1600V 0.0073UF H
C466	0CE227DK618	220UF STD 50V M FL TP5
C467	0CE227DK618	220UF STD 50V M FL TP5
C468	181-009V	PP 200V 0.047UF K
C469	0CQ3931N509	0.0390UF 100V K PE TP
C470	0CK2210W515	220P 500V K B TS
C471	0CK1810W515	180P 500V K B TS
C474	0CE106DK618	10UF STD 50V M FL TP5
C475	181-014N	MPP 1600V 0.01UF J
C476	181-015J	MPP 1600V 0.0086UF H
C478	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP
C479	0CE227DK618	220UF STD 50V M FL TP5
C481	0CN6810K519	680P 50V K B TA52
C482	0CE106DK618	10UF STD 50V M FL TP5
C484	0CE107DK618	100UF STD 50V M FL TP5
C486	0CN1040K949	0.1M 50V Z F TA52
C487	0CN1040K949	0.1M 50V Z F TA52
C488	0CN1030F679	10000P 16V M Y TA52
C490	0CE226DF618	22UF STD 16V M FL TP5
C491	0CN1040K949	0.1M 50V Z F TA52
C492	0CN1040K949	0.1M 50V Z F TA52
C501	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C502	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C503	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C503	0CN1030F679	10000P 16V M Y TA52
C504	0CE477DF618	470UF STD 16V 20% FL TP 5
C504	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C505	0CE1074F618	100UF SRA 16V M FL TP5
C506	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C506	0CN1030F679	10000P 16V M Y TA52
C507	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C507	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C508	0CN1030F679	10000P 16V M Y TA52

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LOCA. NO	PART NO	DESCRIPTION
C509	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C510	0CN5610K519	560P 50V K B TA52
C512	0CN1030F679	10000P 16V M Y TA52
C513	0CN1010K519	100P 50V K B TA52
C514	0CN1010K519	100P 50V K B TA52
C515	0CN1010K519	100P 50V K B TA52
C518	0CN1010K519	100P 50V K B TA52
C519	0CE106DF618	10UF STD 16V M FL TP5
C519	0CN1010K519	100P 50V K B TA52
C520	0CN1010K519	100P 50V K B TA52
C521	0CE108DF618	1000UF STD 16V M FL TP5
C522	0CE108DF618	1000UF STD 16V M FL TP5
C523	0CE106DF618	10UF STD 16V M FL TP5
C523	0CE108DF618	1000UF STD 16V M FL TP5
C525	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C528	0CE107DD618	100UF STD 10V M FL TP5
C528	0CE107DD618	100UF STD 10V M FL TP5
C529	0CE107DD618	100UF STD 10V M FL TP5
C532	0CE106DF618	10UF STD 16V M FL TP5
C535	0CE107DD618	100UF STD 10V M FL TP5
C544	0CE107DD618	100UF STD 10V M FL TP5
C547	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C548	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C549	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C550	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C552	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C555	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C565	0CE106DF618	10UF STD 16V M FL TP5
C569	0CE106DF618	10UF STD 16V M FL TP5
C571	0CE107DD618	100UF STD 10V M FL TP5
C574	0CE107DD618	100UF STD 10V M FL TP5
C578	0CE106DF618	10UF STD 16V M FL TP5
C581	0CE106DF618	10UF STD 16V M FL TP5
C592	0CE107DD618	100UF STD 10V M FL TP5
C595	0CE107DD618	100UF STD 10V M FL TP5
C600	0CE107DD618	100UF STD 10V M FL TP5
C600	0CQ6821N509	0.0068U 100V K POLY TP
C601	0CQ6821N509	0.0068U 100V K POLY TP
C602	0CE105CK636	1UF SHL,SD 50V M FM5 BP(D) TP
C602	0CQ6821N509	0.0068U 100V K POLY TP
C603	0CQ6821N509	0.0068U 100V K POLY TP
C604	0CQ1041N509	0.1U 100V K POLY TP
C605	0CQ1041N509	0.1U 100V K POLY TP
C606	0CQ1041N509	0.1U 100V K POLY TP
C607	0CE107DD618	100UF STD 10V M FL TP5
C607	0CQ1041N509	0.1U 100V K POLY TP
C608	0CQ1041N509	0.1U 100V K POLY TP
C609	0CQ1041N509	0.1U 100V K POLY TP
C610	0CE106DF618	10UF STD 16V M FL TP5
C610	0CQ1041N509	0.1U 100V K POLY TP
C612	0CE107DD618	100UF STD 10V M FL TP5
C614	0CE107DD618	100UF STD 10V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C615	0CE106DK618	10UF STD 50V M FL TP5
C615	0CE107DD618	100UF STD 10V M FL TP5
C616	0CE106DK618	10UF STD 50V M FL TP5
C617	0CE106DF618	10UF STD 16V M FL TP5
C617	0CE106DK618	10UF STD 50V M FL TP5
C618	0CE106DF618	10UF STD 16V M FL TP5
C618	0CE106DK618	10UF STD 50V M FL TP5
C619	0CE106DF618	10UF STD 16V M FL TP5
C619	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C620	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C621	0CE106DF618	10UF STD 16V M FL TP5
C626	0CE107DD618	100UF STD 10V M FL TP5
C628	0CE476DJ618	47UF STD 35V M FL TP5
C629	0CE107DD618	100UF STD 10V M FL TP5
C629	0CE476DJ618	47UF STD 35V M FL TP5
C630	0CE477DF618	470UF STD 16V 20% FL TP 5
C635	0CE108DK61A	1000UF STD 50V M FL TP7.5
C636	0CE108DK61A	1000UF STD 50V M FL TP7.5
C637	0CE108DK61A	1000UF STD 50V M FL TP7.5
C638	0CE108DK61A	1000UF STD 50V M FL TP7.5
C639	0CE108DK61A	1000UF STD 50V M FL TP7.5
C640	0CQ1041N509	0.1U 100V K POLY TP
C713	0CE227DD618	220UF STD 10V M FL TP5
C714	0CQ1041N509	0.1U 100V K POLY TP
C715	0CQ1041N509	0.1U 100V K POLY TP
C716	0CE106DF618	10UF STD 16V M FL TP5
C720	0CE476DF618	47UF STD 16V M FL TP5
C724	0CQ1031N509	0.01U 100V K POLY TP
C725	0CQ1041N509	0.1U 100V K POLY TP
C729	0CE106DK618	10UF STD 50V M FL TP5
C730	0CE474DK618	0.4700UF STD 50V M FL TP5
C741	0CE476DF618	47UF STD 16V M FL TP5
C746	0CE476DF618	47UF STD 16V M FL TP5
C749	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C753	0CE476DF618	47UF STD 16V M FL TP5
C767	0CE107DF618	100UF STD 16V M FL TP5
C783	0CE107DD618	100UF STD 10V M FL TP5
C786	0CE107DF618	100UF STD 16V M FL TP5
C789	0CE227DF618	220UF STD 16V M FL TP5
C792	0CE107DD618	100UF STD 10V M FL TP5
C793	0CE107DD618	100UF STD 10V M FL TP5
C795	0CE227DD618	220UF STD 10V M FL TP5
C796	0CE107DD618	100UF STD 10V M FL TP5
C801	0CE4763F618	47UF SRE 16V M FL TP5
C801	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C802	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C803	181-091R	1KV R 102K TP5
C804	0CE4763F618	47UF SRE 16V M FL TP5
C805	181-001T	CE 400V 470UF M LUG(85)
C807	0CK10202510	1000P 2KV K B S
C808	0CK10202510	1000P 2KV K B S
C811	0CE106DN618	10UF STD 100V M FL TP5

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LOCA. NO	PART NO	DESCRIPTION
C812	0CE107DJ618	100UF STD 35V M FL TP5
C812	0CE227DF618	220UF STD 16V M FL TP5
C814	181-011D	PP 1600V 0.0022UF J
C815	0CE4763F618	47UF SRE 16V M FL TP5
C816	0CE4763F618	47UF SRE 16V M FL TP5
C816	0CK27101515	270P 1KV K B TS
C817	0CK8210K515	820P 50V K B TS
C818	0CK1020K515	1000P 50V K B TS
C820	0CE477DD618	470UF STD 10V M FL TP5
C821	0CE227DK618	220UF STD 50V M FL TP5
C824	0CE107DD618	100UF STD 10V M FL TP5
C825	0CE4763F618	47UF SRE 16V M FL TP5
C830	0CE227DK618	220UF STD 50V M FL TP5
C830	0CK10202510	1000P 2KV K B S
C833	0CE2286J650	2200UF SMS,SG 35V 20% FM7.5 BU
C834	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5
C835	0CE108BJ618	1000UF KME 35V M FL TP5
C836	0CE108BJ618	1000UF KME 35V M FL TP5
C837	0CE108BJ618	1000UF KME 35V M FL TP5
C838	0CE108BJ618	1000UF KME 35V M FL TP5
C839	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C840	0CE337DK618	330UF STD 50V M FL TP5
C841	0CK47101515	470P 1KV K B TS
C842	0CE3386H610	3300UF SMS,SG 25V 20% FL BULK
C843	0CE108DF618	1000UF STD 16V M FL TP5
C846	0CE108BJ618	1000UF KME 35V M FL TP5
C848	0CE108DF618	1000UF STD 16V M FL TP5
C852	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5
C854	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5
C862	0CE337DK618	330UF STD 50V M FL TP5
C863	0CE476BK618	47UF KME 50V M FL TP5
C871	181-091Z	2KV R 821K TP7.5
C872	181-001A	CE 200V 470UF M LUG (85)
C873	0CE107BP61A	100UF KME 160V M FL TP7.5
C874	0CE2251P618	2.2UF SM,SA 160V 20% FL TP 5
C875	0CQ1041N509	0.1U 100V K POLY TP
C876	0CK27102515	270P 2KV K B TS
C892	0CE105DK618	1UF STD 50V M FL TP5
C897	0CE225CK636	2.2UF SHL,SD 50V 20% FM5 BP(D)
C898	0CE225CK636	2.2UF SHL,SD 50V 20% FM5 BP(D)
C901	0CE106BK618	10UF KME 50V M FL TP5
C901B	0CE107DF618	100UF STD 16V M FL TP5
C901R	0CE107DF618	100UF STD 16V M FL TP5
C901G	0CE107DF618	100UF STD 16V M FL TP5
C902B	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902R	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902G	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902	0CE476BK618	47UF KME 50V M FL TP5
C903	0CE106BK618	10UF KME 50V M FL TP5
C903B	0CK1040K945	0.1UF 50V Z F TR
C903G	0CK1040K945	0.1UF 50V Z F TR
C903R	0CK1040K945	0.1UF 50V Z F TR

LOCA. NO	PART NO	DESCRIPTION
C904	0CE106BK618	10UF KME 50V M FL TP5
C904B	0CK1040K945	0.1UF 50V Z F TR
C904G	0CK1040K945	0.1UF 50V Z F TR
C904R	0CK1040K945	0.1UF 50V Z F TR
C905R	0CC0200K115	2P 50V D NP0 TS
C905B	0CC0500K115	5P 50V D NP0 TS
C905G	0CC0500K115	5P 50V D NP0 TS
C905	0CQ1031N509	0.01U 100V K POLY TP
C906	0CE476BK618	47UF KME 50V M FL TP5
C906B	0CE476DR618	47UF STD 250V 20% FL TP 5
C906G	0CE476DR618	47UF STD 250V 20% FL TP 5
C906R	0CE476DR618	47UF STD 250V 20% FL TP 5
C907	0CE106BK618	10UF KME 50V M FL TP5
C907B	0CE106DR618	10UF STD 250V M FL TP5
C907G	0CE106DR618	10UF STD 250V M FL TP5
C907R	0CE106DR618	10UF STD 250V M FL TP5
C908	0CE336DK618	33UF STD 50V M FL TP5
C908B	0CK5610W515	560P 500V K B TS
C908G	0CK5610W515	560P 500V K B TS
C908R	0CK5610W515	560P 500V K B TS
C909	0CE476BK618	47UF KME 50V M FL TP5
C909B	0CK22202515	2200PF 2KV K B TR
C909R	0CK22202515	2200PF 2KV K B TR
C909G	0CK22202515	2200PF 2KV K B TR
C910B	0CN1040K949	0.1M 50V Z F TA52
C910R	0CN1040K949	0.1M 50V Z F TA52
C910G	0CN1040K949	0.1M 50V Z F TA52
C911B	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911R	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911G	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C912B	0CK1030W510	0.01U 500V K B S
C912R	0CK1030W510	0.01U 500V K B S
C912G	0CK1030W510	0.01U 500V K B S
C917G	0CN4710K519	470P 50V K B TA52
C931	0CE337DK618	330UF STD 50V M FL TP5
C932	0CE106BR618	10UF KME 250V M FL TP5
C933	0CE106BK618	10UF KME 50V M FL TP5
C934	0CE106BK618	10UF KME 50V M FL TP5
C935	0CE106BK618	10UF KME 50V M FL TP5
C936	0CE107BP61A	100UF KME 160V M FL TP7.5
C937	0CE107DN618	100UF STD 100V M FL TP5
C938	0CQ1031N509	0.01U 100V K POLY TP
C941	0CK4720W510	4700P 500V K B S
C952	0CE106BR618	10UF KME 250V M FL TP5
C953	0CE106BK618	10UF KME 50V M FL TP5
C954	0CE106BK618	10UF KME 50V M FL TP5
C955	0CE106DK618	10UF STD 50V M FL TP5
C956	0CE336DP618	33UF STD 160V M FL TP5
C957	0CE107DN618	100UF STD 100V M FL TP5
C958	0CQ1031N509	0.01U 100V K POLY TP
C960	0CK4720W510	4700P 500V K B S
C972	0CE106BR618	10UF KME 250V M FL TP5

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LOCA. NO	PART NO	DESCRIPTION
C973	0CE106BK618	10UF KME 50V M FL TP5
C974	0CE106BK618	10UF KME 50V M FL TP5
C975	0CE106BK618	10UF KME 50V M FL TP5
C976	0CE336DP618	33UF STD 160V M FL TP5
C977	0CE107DN618	100UF STD 100V M FL TP5
C978	0CQ1031N509	0.01U 100V K POLY TP
C980	0CK4720W510	4700P 500V K B S
C1004	0CN2210K519	220P 50V K B TA52
C1005	0CN2210K519	220P 50V K B TA52
C1006	0CN1040K949	0.1M 50V Z F TA52
C1007	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C2001	0CK1510K515	150P 50V K B TS
C2003	0CK1510K515	150P 50V K B TS
C2005	0CK1510K515	150P 50V K B TS
C2007	0CK1510K515	150P 50V K B TS
C2009	0CK1510K515	150P 50V K B TS
C2011	0CK1510K515	150P 50V K B TS
C2031	0CC3310K405	330P 50V J SL TS
C2032	0CC3310K405	330P 50V J SL TS
C2033	0CC3310K405	330P 50V J SL TS
C2034	0CC3310K405	330P 50V J SL TS
C2035	0CC3310K405	330P 50V J SL TS
C2036	0CC3310K405	330P 50V J SL TS
C2041	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2041	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2042	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2048	0CK1030K945	0.01UF 50V Z F TR
C2049	0CK1030K945	0.01UF 50V Z F TR
C2050	0CE108DJ618	1000UF STD 35V M FL TP5
C2051	0CE108DJ618	1000UF STD 35V M FL TP5
C2052	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2054	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2056	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2060	0CE337DK618	330UF STD 50V M FL TP5
C2061	0CE337DK618	330UF STD 50V M FL TP5
C2063	0CK1040K945	0.1UF 50V Z F TR
C2064	0CK1040K945	0.1UF 50V Z F TR
C2065	0CK1040K945	0.1UF 50V Z F TR
C2066	0CK1040K945	0.1UF 50V Z F TR
C2067	0CK1040K945	0.1UF 50V Z F TR
C2069	0CK1040K945	0.1UF 50V Z F TR
C2071	0CE477DD618	470UF STD 10V M FL TP5
C2073	0CE477DD618	470UF STD 10V M FL TP5
C2074	0CK1040K945	0.1UF 50V Z F TR
C2075	0CK1040K945	0.1UF 50V Z F TR
C2080	0CK1040K945	0.1UF 50V Z F TR
C2081	0CK1040K945	0.1UF 50V Z F TR
C2082	0CK1040K945	0.1UF 50V Z F TR
C2091	0CE107DK618	100UF STD 50V M FL TP5
C2092	0CE107DK618	100UF STD 50V M FL TP5
C2093	0CE107DK618	100UF STD 50V M FL TP5
C2094	0CK1040K945	0.1UF 50V Z F TR

LOCA. NO	PART NO	DESCRIPTION
C2095	0CK1040K945	0.1UF 50V Z F TR
C2096	0CK1040K945	0.1UF 50V Z F TR
C2119	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2130	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2133	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2142	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2143	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2170	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD) SMD
C2202	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2207	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2210	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2215	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2605	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2606	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2802	0CN1040K949	0.1M 50V Z F TA52
C2803	0CN4710K519	470P 50V K B TA52
C2804	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C2805	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2807	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2814	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2816	0CE107SF6DC	100UF MVG 16V M SMD R/TP
CP801	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
CP802	0CE107BJ618	100UF KME 35V M FL TP5
CP803	0CK10201515	1000P 1KV K B TS
CP804	0CK10201515	1000P 1KV K B TS
CP806	0CE477BF618	470UF KME 16V M FL TP5
CP809	0CE4763F618	47UF SRE 16V M FL TP5
CP828	181-120L	3300PF 4KV M E FMTW LEAD4.5
ZD01P	0CN1020K519	1000P 50V K B TA52

COIL & TRANSFORMER

L01P	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L001	0LA0332K039	INDUCTOR,33UH 10% 4X10.5 TA52
L002	0LA0332K039	INDUCTOR,33UH 10% 4X10.5 TA52
L003	0LA0332K039	INDUCTOR,33UH 10% 4X10.5 TA52
L004	0LA0102K119	INDUCTOR,10UH K
L102	0LA0102K119	INDUCTOR,10UH K
L103	0LA0102K119	INDUCTOR,10UH K
L104	0LA0102K139	INDUCTOR,10UH K
L105	0LA0102K139	INDUCTOR,10UH K
L201	0LA0102K119	INDUCTOR,10UH K
L202	0LA0102K119	INDUCTOR,10UH K
L203	0LA0102K119	INDUCTOR,10UH K
L204	0LA0102K119	INDUCTOR,10UH K
L205	0LA0102K119	INDUCTOR,10UH K
L206	0LA0102K119	INDUCTOR,10UH K
L207	0LA0102K119	INDUCTOR,10UH K
L208	0LA0102K119	INDUCTOR,10UH K
L209	0LA0102K119	INDUCTOR,10UH K
L210	0LA0102K119	INDUCTOR,10UH K
L211	0LA0102K119	INDUCTOR,10UH K
L212	0LA0102K119	INDUCTOR,10UH K

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
L213	0LA0102K119	INDUCTOR,10UH K
L214	0LA0102K119	INDUCTOR,10UH K
L215	0LA0102K119	INDUCTOR,10UH K
L216	0LA0102K119	INDUCTOR,10UH K
L301	0LA0102K119	INDUCTOR,10UH K
L302	0LA0102K119	INDUCTOR,10UH K
L303	0LA0102K119	INDUCTOR,10UH K
L304	0LA0102K119	INDUCTOR,10UH K
L305	0LA0102K119	INDUCTOR,10UH K
L306	0LA0102K119	INDUCTOR,10UH K
L307	0LA0102K119	INDUCTOR,10UH K
L308	0LA0102K119	INDUCTOR,10UH K
L401	150-717J	COIL,CHOKE 560UH (E/W)
L402	6140VE0001P	COIL,LINEARITY 12UH 0.1PHY 30.5TURN
L404	0LA1000K139	INDUCTOR,100UH K 4*10.5 TP
L405	150-717K	COIL,1.1UH PHY TURN
L406	150-C02F	COIL,82UH R1217
L501	0LA0332K039	INDUCTOR,33UH 10% 4X10.5 TA52
L508	0LA0121K119	INDUCTOR,1.2UH K
L509	0LA0121K119	INDUCTOR,1.2UH K
L510	0LA0121K119	INDUCTOR,1.2UH K
L705	0LA0102K119	INDUCTOR,10UH K
L707	0LA0121K119	INDUCTOR,1.2UH K
L708	0LA0121K119	INDUCTOR,1.2UH K
L709	0LA0121K119	INDUCTOR,1.2UH K
L801	0LA1200K119	INDUCTOR,120UH K
L802	150-C04A	COIL,CHOKE 15UH R 1018
L831	150-C02F	COIL,CHOKE 82UH R1217
L832	150-C02F	COIL,CHOKE 82UH R1217
L835	150-C02F	COIL,CHOKE 82UH R1217
L841	150-C02F	COIL,CHOKE 82UH R1217
L845	150-C02F	COIL,CHOKE 82UH R1217
L851	150-C02F	COIL,CHOKE 82UH R1217
L861	150-C02F	COIL,CHOKE 82UH R1217
L871	150-C02F	COIL,CHOKE 82UH R1217
L901	150-C02F	COIL,CHOKE 82UH R1217
L902	150-C02F	COIL,CHOKE 82UH R1217
L1001	0LA0472K119	INDUCTOR,47UH K
L1002	0LA0472K119	INDUCTOR,47UH K
L2001	0LA0101K119	INDUCTOR,1.0UH K
L2002	0LA0101K119	INDUCTOR,1.0UH K
L2003	0LA0101K119	INDUCTOR,1.0UH K
L2004	0LA0101K119	INDUCTOR,1.0UH K
L2005	0LA0101K119	INDUCTOR,1.0UH K
L2006	0LA0101K119	INDUCTOR,1.0UH K
L2010	0LA0272K139	INDUCTOR,27UH K
L2011	0LA0272K139	INDUCTOR,27UH K
LP810	150-C02F	COIL,CHOKE 82UH R1217
T401	6170VC0002A	TRANSFORMER,H-DRIVE EER-2619
T402	6170VC0002A	TRANSFORMER,H-DRIVE EER-2619
T403	6174Z-6400B	FBT,FTMPNB1-T6400B
T405	151-E05E	TRANSFORMER,POWER EER4215 1550UH
T406	151-E06A	TRANSFORMER,POWER EER2834 0UH
T801	6170VMCA16H	TRANSFORMER,SMPS EE5555 300UH
T802	151-D02G	TRANSFORMER,STAND-BY EER3541 0UH
T826	6170VC0003C	TRANSFORMER,H-DRIVER DRUM 10*12
T890	6170VZ0008A	TRANSFORMER,H-DRIVER TS4841 30500UH
T891	6170VZ0008A	TRANSFORMER,H-DRIVER TS4841 30500UH

CONNECTOR

LOCA. NO	PART NO	DESCRIPTION
P001	366-173L	CONNECTOR,2.5MM 12*2P AEPH-254 A/K R/N
P01A	6602V25007B	CONNECTOR,2.5MM 8P 35772-0821 KOR-MOLEX
P002	366-173G	CONNECTOR,2.5MM 8*2P AEPH-254 A/K R/A
P002A	366-921H	CONNECTOR,2.5MM 9P GIL-G LG CABLE .
P003	366-173L	CONNECTOR,2.5MM 12*2P AEPH-254 A/K R/N
P003A	387-A08A	CONNECTOR ASSY,8P (L=100)
P004	366-922M	CONNECTOR,2.5MM 13P GIL-G LG CABLE
P004EP	366-932D	CONNECTOR,2.5MM 5P GIL-G LG CABLE
P05A	366-921C	CONNECTOR,2.5MM 4P GIL-G LG CABLE
P005	366-922B	CONNECTOR,2.5MM 3P GIL-G LG CABLE
P005A	387-812L	CONNECTOR ASSY,YJN250 12P
P006IP	366-932E	CONNECTOR,2.5MM 6P GIL-G LG CABLE
P101A	366-922L	CONNECTOR,2.5MM 12P GIL-G LG CABLE
P119A	366-009D	CONNECTOR,2.36PAI 1P . K/M AUTO
P201	366-922L	CONNECTOR,2.5MM 12P GIL-G LG CABLE R/A
P201	6602V25007C	CONNECTOR,2.5MM 12P 35772-1221 KOR-MOLEX
P202	6602V00010B	CONNECTOR,ETC 32P 53319-0320 JPN-MOLEX
P203	6602V00010B	CONNECTOR,ETC 32P 53319-0320 JPN-MOLEX
P204B	6631V25044A	CONNECTOR ASSY,12P 1000MM H-B SHIELD
P211B	366-173N	CONNECTOR,AEPH254-D28R(14*2)
P212B	366-173L	CONNECTOR,2.5MM 12*2P AEPH-254
P213B	366-173N	CONNECTOR,AEPH254-D28R(14*2)
P214B	366-173N	CONNECTOR,AEPH254-D28R(14*2)
P401B	366-921G	CONNECTOR,2.5MM 8P GIL-G
P401A	387-A08A	CONNECTOR ASSY,8P (L=100)
P402B	366-942L	CONNECTOR,2.5MM 12P BW250
P402A	387-812L	CONNECTOR ASSY,YJN250 12P
P403B	366-942J	CONNECTOR,2.5MM 10P BW250
P403A	387-812J	CONNECTOR ASSY,YJN250 10P
P404B	366-942K	CONNECTOR,2.5MM 11P BW250
P404A	387-812K	CONNECTOR ASSY,YJN250 11P
P404	6602V25007A	CONNECTOR,2.5MM 6P 35772-0621 KOR-MOLEX
P405B	366-932C	CONNECTOR,2.5MM 4P GIL-G
P407A	366-043D	CONNECTOR,ASSY,PLUG(4P)
P408A	366-043D	CONNECTOR,ASSY,PLUG(4P)
P409A	366-043D	CONNECTOR,ASSY,PLUG(4P)
P602	366-932B	CONNECTOR,2.5MM 3P GIL-G
P805A	366-921F	CONNECTOR,2.5MM 7P GIL-G
P805B	366-921F	CONNECTOR,2.5MM 7P GIL-G
P810A	366-921L	CONNECTOR,2.5MM 12P GIL-G
P810B	366-921L	CONNECTOR,2.5MM 12P GIL-G
P811A	366-921H	CONNECTOR,2.5MM 9P GIL-G
P811B	366-921H	CONNECTOR,2.5MM 9P GIL-G
P880	6631V23001X	CONNECTOR ASSY,3(P=8-6)P 350MM H-H

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LOCA. NO	PART NO	DESCRIPTION
P901B	366-921J	CONNECTOR,2.5MM 10P GIL-G
P901A	366-922J	CONNECTOR,2.5MM 10P GIL-G
P902B	366-921D	CONNECTOR,2.5MM 5P GIL-G
P903B	366-921H	CONNECTOR,2.5MM 9P GIL-G
P903A	387-A09F	CONNECTOR ASSY,9P (L=350)
P904B	366-921H	CONNECTOR,2.5MM 9P GIL-G
P904A	387-A09F	CONNECTOR ASSY,9P (L=350)
P2011	366-921G	CONNECTOR,2.5MM 8P GIL-G
SPKJ20	385-102A	CONNECTOR,TERMINAL SPEAKER SP016A
SPKJ20	385-102A	CONNECTOR,TERMINAL SPEAKER SP016A
RESISTOR		
AR001	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR002	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR003	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR004	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR005	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR006	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR007	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR008	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR009	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
AR010	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100 OH
J179	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
J184	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
J423	0RD0222F609	22 OHM 1/6 W 5.00% TA52
J709	0RD2200F609	220 OHM 1/6 W 5.00% TA52
L403	0RF0101K607	1 OHM 2 W 5.00% TA62
L504	0RD3000F609	300 OHM 1/6 W 5.00% TA52
R002	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R003	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R005	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R007	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R008	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R009	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R010	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R011	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R012	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R013	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R014	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R015	0RD7500F609	750 OHM 1/6 W 5.00% TA52
R016	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R017	0RD7500F609	750 OHM 1/6 W 5.00% TA52
R018	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R019	0RD7500F609	750 OHM 1/6 W 5.00% TA52
R020	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R023	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R024	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R025	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R026	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R029	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R030	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R031	0RD5601F609	5.6K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R032	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R033	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R034	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R035	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R036	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R037	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R038	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R039	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R040	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R041	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R042	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R043	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R044	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R045	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R046	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R048	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R050	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R051	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R052	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R101	0RD2700F609	270 OHM 1/6 W 5.00% TA52
R102	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R103	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R104	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R105	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R106	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R107	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R108	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R109	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R110	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R111	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R112	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R113	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R114	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R116	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R117	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R118	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R119	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R120	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R121	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R122	0RD5601F609	5.6K OHM 1/6 W 5.00% TA52
R123	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R124	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R126	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R127	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R128	0RD4700F609	470 OHM 1/6 W 5.00% TA52
R129	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R130	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R131	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R132	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R133	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R135	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R136	0RD2700F609	270 OHM 1/6 W 5.00% TA52

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CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R137	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R138	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R139	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R140	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R141	0RD4700F609	470 OHM 1/6 W 5.00% TA52
R201	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R301	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R302	0RF0241K607	2.4 OHM 2 W 5.00% TA62
R303	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R304	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R305	0RS0101H609	1 OHM 1/2 W 5.00% TA52
R306	0RF0241K607	2.4 OHM 2 W 5.00% TA62
R308	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R309	0RD3901F609	3.9K OHM 1/6 W 5.00% TA52
R310	0RD3901F609	3.9K OHM 1/6 W 5.00% TA52
R326	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R327	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R328	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R340	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R341	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R342	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R344	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R401	0RS1801K607	1.8K OHM 2 W 5.00% TA62
R402	0RS1501K607	1.5K OHM 2 W 5.00% TA62
R403	0RS2200K607	220 OHM 2 W 5.00% TA62
R404	0RS1501K607	1.5K OHM 2 W 5.00% TA62
R405	0RS2702K607	27K OHM 2 W 5.00% TA62
R406	0RS2702K607	27K OHM 2 W 5.00% TA62
R407	0RS2702K607	27K OHM 2 W 5.00% TA62
R408	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R409	0RD3901H609	3.9K OHM 1/2 W 5.00% TA52
R410S	0RD4701H609	4.7K OHM 1/2 W 5.00% TA52
R410	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R411S	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R411	0RD2202H609	22K OHM 1/2 W 5.00% TA52
R412S	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R412	0RD8200H609	820 OHM 1/2 W 5.00% TA52
R413S	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R413	0RS2702K607	27K OHM 2 W 5.00% TA62
R414	180-A01F	RW ROUND G 2W 0.50 J TA31(63)
R415S	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R416S	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R416	180-C02M	5.6K OHM 1/2 W 10% TA52 ERC12G
R417S	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R417	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R418S	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R419S	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R419	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R420S	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R421	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R422	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R423	0RD0222F609	22 OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R424	180-A03Q	RW RECT G 7W 1.0 J DOUBLE(SP)
R426	0RS1801K607	1.8K OHM 2 W 5.00% TA62
R427	0RS1201K607	1.2K OHM 2 W 5.00% TA62
R428	0RS1201K607	1.2K OHM 2 W 5.00% TA62
R429	0RD1303F609	130K OHM 1/6 W 5.00% TA52
R430	0RD4702H609	47K OHM 1/2 W 5.00% TA52
R432	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R433	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R437	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R438	0RD5601F609	5.6K OHM 1/6 W 5.00% TA52
R439	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R440	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R442	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R443	0RD0472F609	47 OHM 1/6 W 5.00% TA52
R444	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R446	0RD5602F609	56K OHM 1/6 W 5.00% TA52
R447	0RD9102H609	91K OHM 1/2 W 5.00% TA52
R448	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R449	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R450	0RD3001H609	3K OHM 1/2 W 5.00% TA52
R451	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R452	0RD3001H609	3K OHM 1/2 W 5.00% TA52
R454	0RS0470H609	0.47 OHM 1/2 W 5.00% TA52
R458	0RD1503F609	150K OHM 1/6 W 5.00% TA52
R459	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R460	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R461	0RMZVBK003A	4.7 OHM 5W J(5%) RWR V-TYPE(PI
R463	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R464	0RD6801F609	6.8K OHM 1/6 W 5.00% TA52
R465	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R466	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R467	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R469	0RS4701K607	4.7K OHM 2 W 5.00% TA62
R470	0RS2002H609	20K OHM 1/2 W 5.00% TA52
R472	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R475	0RD5600H609	560 OHM 1/2 W 5.00% TA52
R476	0RS4701K607	4.7K OHM 2 W 5.00% TA62
R478	0RS2001K607	2K OHM 2 W 5.00% TA62
R479	0RD5601F609	5.6K OHM 1/6 W 5.00% TA52
R480	0RS2001K607	2K OHM 2 W 5.00% TA62
R481	0RS3902K607	39K OHM 2 W 5.00% TA62
R482	0RS3902K607	39K OHM 2 W 5.00% TA62
R483	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R484	0RN9102F409	91K OHM 1/6 W 1.00% TA52
R485	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R486	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R487	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R488	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R489	0RD0472F609	47 OHM 1/6 W 5.00% TA52
R490	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R491	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R492	0RD1001F609	1K OHM 1/6 W 5.00% TA52

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LOCA. NO	PART NO	DESCRIPTION
R493	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R494	0RF0121H609	1.2 OHM 1/2 W 5.00% TA52
R496	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R497	0RD7501F609	7.5K OHM 1/6 W 5.00% TA52
R498	0RD2202H609	22K OHM 1/2 W 5.00% TA52
R499	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R503	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R504	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R505	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R506	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R507	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R508	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R509	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R516	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R517	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R518	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R519	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R520	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R521	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R600	0RD1201F609	1.2K OHM 1/6 W 5.00% TA52
R601	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R601	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R602	0RD1201F609	1.2K OHM 1/6 W 5.00% TA52
R603	0RD1201F609	1.2K OHM 1/6 W 5.00% TA52
R604	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R604	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R605	0RD1201F609	1.2K OHM 1/6 W 5.00% TA52
R606	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R607	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R608	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R609	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R610	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R611	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R613	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R614	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R615	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R616	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R617	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R618	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R620	0RD0471F609	4.7 OHM 1/6 W 5.00% TA52
R621	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R623	0RD2703F609	270K OHM 1/6 W 5.00% TA52
R624	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R625	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R636	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R638	0RD6800F609	680 OHM 1/6 W 5.00% TA52
R639	0RD6800F609	680 OHM 1/6 W 5.00% TA52
R641	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R643	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R650	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R651	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R652	0RD1002F609	10K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R661	0RD0471F609	4.7 OHM 1/6 W 5.00% TA52
R663	0RD0471F609	4.7 OHM 1/6 W 5.00% TA52
R664	0RD0471F609	4.7 OHM 1/6 W 5.00% TA52
R665	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R666	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R668	180-777H	RWR 7W 910 J
R669	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R670	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R671	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R742	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R742	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R756	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R801	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R802	0RD1500F609	150 OHM 1/6 W 5.00% TA52
R802	0RS1802K607	18K OHM 2 W 5.00% TA62
R803	0RD1500F609	150 OHM 1/6 W 5.00% TA52
R803	0RS1802K607	18K OHM 2 W 5.00% TA62
R804	0RD1500F609	150 OHM 1/6 W 5.00% TA52
R804	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R805	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R806	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R807	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R808	0RD0201H609	2 OHM 1/2 W 5.00% TA52
R810	0RD0472H609	47 OHM 1/2 W 5.00% TA52
R812	0RD1502H609	15K OHM 1/2 W 5.00% TA52
R813	0RN5602F409	56K OHM 1/6 W 1.00% TA52
R814	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R814	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R815	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R819	0RS0222H609	22 OHM 1/2 W 5.00% TA52
R829	0RKZVTA001D	10M OHM 1/2 W 5% TA52 UL PILKO
R835	0RD2201H609	2.2K OHM 1/2 W 5.00% TA52
R851	0RD1502H609	15K OHM 1/2 W 5.00% TA52
R852	0RD1502H609	15K OHM 1/2 W 5.00% TA52
R871	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R872	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R873	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R874	0RD7500F609	750 OHM 1/6 W 5.00% TA52
R891	0RD4302F609	43K OHM 1/6 W 5.00% TA52
R892	0RD5602F609	56K OHM 1/6 W 5.00% TA52
R893	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R894	0RS0332K607	33 OHM 2 W 5.00% TA62
R901B	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R901R	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R901G	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R902B	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902R	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902G	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R903B	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903G	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903R	0RN3601F409	3.6K OHM 1/6 W 1.00% TA52
R904B	0RD6200F609	620 OHM 1/6 W 5.00% TA52

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RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R904G	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R904R	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R905B	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R905G	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R905R	0RD0102F609	10 OHM 1/6 W 5.00% TA52
R906B	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R906R	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R906G	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R907B	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907R	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907G	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R908B	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R908R	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R908G	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R909B	0RS4702K607	47K OHM 2 W 5.00% TA62
R909G	0RS4702K607	47K OHM 2 W 5.00% TA62
R909R	0RS4702K607	47K OHM 2 W 5.00% TA62
R910B	0RC2200H609	220 OHM 1/2 W 5.00% TA52
R910G	0RC2200H609	220 OHM 1/2 W 5.00% TA52
R910R	0RC2200H609	220 OHM 1/2 W 5.00% TA52
R911B	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911G	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911R	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R912B	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R912R	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R912G	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R913B	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R913R	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R913G	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R914B	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R914R	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R914G	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R915B	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915R	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915G	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R916B	0RD3900F609	390 OHM 1/6 W 5.00% TA52
R916R	0RD3900F609	390 OHM 1/6 W 5.00% TA52
R916G	0RD3900F609	390 OHM 1/6 W 5.00% TA52
R917G	0RD2402F609	24K OHM 1/6 W 5.00% TA52
R918G	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R919B	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919G	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919R	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R920B	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920G	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920R	0RD1501F609	1.5K OHM 1/6 W 5.00% TA52
R920	0RF0102H609	10 OHM 1/2 W 5.00% TA52
R921R	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R921G	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R921B	0RD2001F609	2K OHM 1/6 W 5.00% TA52
R923B	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R923R	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .

LOCA. NO	PART NO	DESCRIPTION
R923G	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R925B	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R925G	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R925	0RF0102H609	10 OHM 1/2 W 5.00% TA52
R926	0RF0102H609	10 OHM 1/2 W 5.00% TA52
R930	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R931	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R932	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R933	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R934	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R937	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R938	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R940	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R941	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R943	0RS1800J607	180 OHM 1 W 5.00% TA62
R944	0RD0472F609	47 OHM 1/6 W 5.00% TA52
R950	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R951	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R952	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R953	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R954	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R957	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R958	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R960	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R961	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R963	0RS1800J607	180 OHM 1 W 5.00% TA62
R964	0RD0472F609	47 OHM 1/6 W 5.00% TA52
R970	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R971	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R972	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R973	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R974	0RD0271H609	2.7 OHM 1/2 W 5.00% TA52
R977	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R978	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R980	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R981	0RD3902H609	39K OHM 1/2 W 5.00% TA52
R983	0RS1800J607	180 OHM 1 W 5.00% TA62
R1001	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1002	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1003	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1004	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1005	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1400	0RD1501F609	1.5K OHM 1/6 W 5.00% TA52
R1401	0RD4700F609	470 OHM 1/6 W 5.00% TA52
R1406	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R1407	0RD2701H609	2.7K OHM 1/2 W 5.00% TA52
R1408	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R1409	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R1410	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R1416	0RD1002F609	10K OHM 1/6 W 5.00% TA52
R1417	0RD6801F609	6.8K OHM 1/6 W 5.00% TA52
R1418	0RD1200F609	120 OHM 1/6 W 5.00% TA52

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LOCA. NO	PART NO	DESCRIPTION
R1419	0RS2202H609	22K OHM 1/2 W 5.00% TA52
R1420	0RS2002H609	20K OHM 1/2 W 5.00% TA52
R1421	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R1422	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R1423	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R1424	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R1425	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R1428	0RD2003H609	200K OHM 1/2 W 5.00% TA52
R1435	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R1436	0RD2001H609	2K OHM 1/2 W 5.00% TA52
R1440	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R1441	0RS0470K607	0.47 OHM 2 W 5.00% TA62
R1447	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R1450	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R1451	0RD1201F609	1.2K OHM 1/6 W 5.00% TA52
R1452	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R1453	0RD4301F609	4.3K OHM 1/6 W 5.00% TA52
R1454	0RD4700F609	470 OHM 1/6 W 5.00% TA52
R1455	0RD1001F609	1K OHM 1/6 W 5.00% TA52
R1456	0RD1801F609	1.8K OHM 1/6 W 5.00% TA52
R1457	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R1459	0RS0470K607	0.47 OHM 2 W 5.00% TA62
R1460	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R1461	0RD1000F609	100 OHM 1/6 W 5.00% TA52
R2001	0RS2200K607	220 OHM 2 W 5.00% TA62
R2002	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2003	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2004	0RS2200K607	220 OHM 2 W 5.00% TA62
R2005	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2006	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2007	0RS2200K607	220 OHM 2 W 5.00% TA62
R2008	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2009	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2010	0RS2200K607	220 OHM 2 W 5.00% TA62
R2011	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2012	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2013	0RS2200K607	220 OHM 2 W 5.00% TA62
R2014	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2015	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2016	0RS2200K607	220 OHM 2 W 5.00% TA62
R2017	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2018	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2021	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2023	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2025	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2027	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2029	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2031	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2039	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2041	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R2042	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R2043	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R2044	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R2045	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R2046	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2047	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2048	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2051	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R2052	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
R2053	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R2054	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R2055	0RD2701F609	2.7K OHM 1/6 W 5.00% TA52
R2056	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2057	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2057	0RN1001G509	1K OHM 1/4 W 2.00% TA52
R2058	0RD4702F609	47K OHM 1/6 W 5.00% TA52
R2061	0RS2200K607	220 OHM 2 W 5.00% TA62
R2062	0RS2200K607	220 OHM 2 W 5.00% TA62
R2063	0RS2200K607	220 OHM 2 W 5.00% TA62
R2064	0RS2200K607	220 OHM 2 W 5.00% TA62
R2065	0RS2200K607	220 OHM 2 W 5.00% TA62
R2066	0RS2200K607	220 OHM 2 W 5.00% TA62
R2091	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2092	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2095	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R2096	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R2807	0RD1001F609	1K OHM 1/6 W 5.00% TA52
RP801	0RD0331H609	3.3 OHM 1/2 W 5.00% TA52
RP802	0RD0152H609	15 OHM 1/2 W 5.00% TA52
RP810	0RD4701F609	4.7K OHM 1/6 W 5.00% TA52
VR401	180-F03H	EVN-DJAA03 B103 SEMI-FIX(H) TA
ZD891	0RD1001F609	1K OHM 1/6 W 5.00% TA52
SPARK GAP		
SG302	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SG303	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SG901B	6918VAX002D	SPARK GAP,AXIAL WSP-301M 300V 20% AXIAL
SG901R	6918VAX002D	SPARK GAP,AXIAL WSP-301M 300V 20% AXIAL
SG901G	6918VAX002D	SPARK GAP,AXIAL WSP-301M 300V 20% AXIAL
SG902B	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SG902G	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SG902R	6918VAX002B	SPARK GAP,AXIAL SSA-102N-A1 1000V 30% 5MM
SG903B	6918VAX002A	SPARK GAP,AXIAL SSA-351N-A1 350V 30% 5MM
SG903G	6918VAX002A	SPARK GAP,AXIAL SSA-351N-A1 350V 30% 5MM
SG903R	6918VAX002A	SPARK GAP,AXIAL SSA-351N-A1 350V 30% 5MM
SWITCH		
SW701	140-191A	SWITCH,TACT KHH15910
SW702	140-191A	SWITCH,TACT KHH15910
SW703	140-191A	SWITCH,TACT KHH15910
SW704	140-191A	SWITCH,TACT KHH15910
SW705	140-191A	SWITCH,TACT KHH15910
SW706	140-191A	SWITCH,TACT KHH15910
SW707	140-191A	SWITCH,TACT KHH15910

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

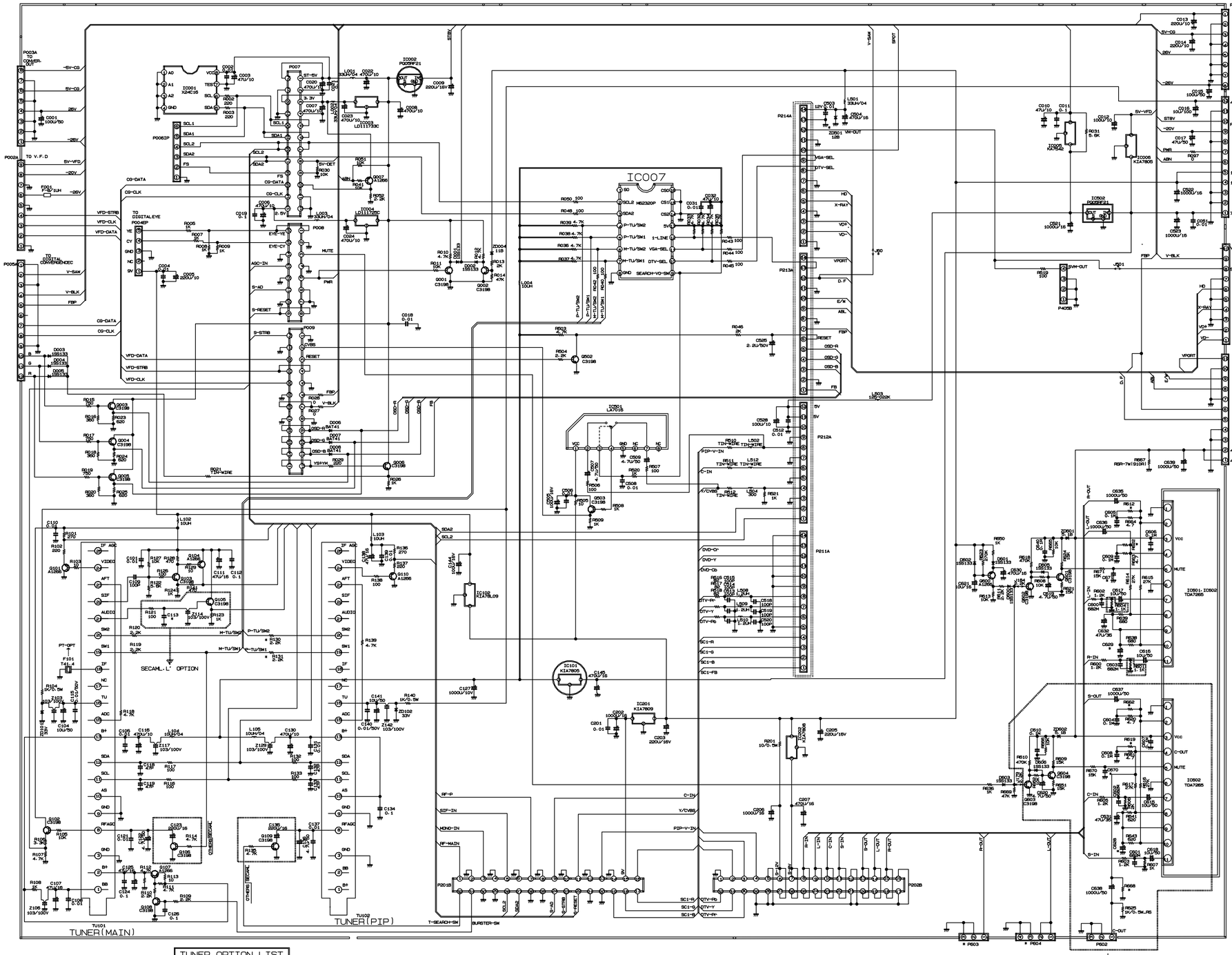
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
SW708	140-191A	SWITCH,TACT KHH15910
SW801S	140-289A	SWITCH,PUSH POWER SDDF3PASP013
CRYSTAL & FILTER		
F001	125-022K	FILTER,EMC FERRITE 1UH TAPING
F002	6210VC0005A	FILTER,EMC BK2125 HS 750
F003	6210VC0005A	FILTER,EMC BK2125 HS 750
F201	6210TCE001G	FILTER,EMC HH-1M3216-501
F202	6210TCE001G	FILTER,EMC HH-1M3216-501
F203	6210TCE001G	FILTER,EMC HH-1M3216-501
F204	6210TCE001G	FILTER,EMC HH-1M3216-501
F205	6210TCE001G	FILTER,EMC HH-1M3216-501
F206	6210TCE001G	FILTER,EMC HH-1M3216-501
F207	6210TCE001G	FILTER,EMC HH-1M3216-501
F208	6210TCE001G	FILTER,EMC HH-1M3216-501
F209	6210TCE001G	FILTER,EMC HH-1M3216-501
F210	6210TCE001G	FILTER,EMC HH-1M3216-501
F211	6210TCE001G	FILTER,EMC HH-1M3216-501
F212	6210TCE001G	FILTER,EMC HH-1M3216-501
F501	166-F01G	FILTER,EMC DSS6NZ82A103Q93A
F702	166-F01G	FILTER,EMC DSS6NZ82A103Q93A
F703	166-F01G	FILTER,EMC DSS6NZ82A103Q93A
F704	166-F01G	FILTER,EMC DSS6NZ82A103Q93A
F801	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
F802	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
F831	125-123A	FILTER,EMC FERRITE BFD3565R2F
F833	125-123A	FILTER,EMC FERRITE BFD3565R2F
F841	125-022K	FILTER,EMC FERRITE 1UH TAPING
F843	125-022K	FILTER,EMC FERRITE 1UH TAPING
F851	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB401	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB402	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB404	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB802	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB805	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB811	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB812	125-022K	FILTER,EMC FERRITE 1UH TAPING
FB871	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB901B	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB901G	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB901R	125-123A	FILTER,EMC FERRITE BFD3565R2F
FR886	125-022K	FILTER,EMC FERRITE 1UH TAPING
L217	125-022K	FILTER,EMC FERRITE 1UH TAPING
L218	125-022K	FILTER,EMC FERRITE 1UH TAPING
L219	125-022K	FILTER,EMC FERRITE 1UH TAPING
L501	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L503	125-022K	FILTER,EMC FERRITE 1UH TAPING
L505	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L506	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L507	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L508	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L509	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L510	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L511	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L512	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM R
L513	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L514	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L515	6210VC0005A	FILTER,EMC BK2125 HS 750 2X1.2
L706	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L710	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L711	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L712	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L713	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L714	6210TCE001G	FILTER,EMC HH-1M3216-501 3216MM
L802	150-F06Z	FILTER,EMC SQE3535 10MH 0.85PHY 50TURN
L804	150-F06Z	FILTER,EMC SQE3535 10MH 0.85PHY 50TURN
L808	150-F06Z	FILTER,EMC SQE3535 10MH 0.85PHY 50TURN
L2001	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2002	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2003	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2004	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2005	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2006	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2011	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2012	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2013	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2014	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2018	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2021	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2027	125-022K	FILTER,EMC FERRITE 1UH TAPING
L2028	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
L2030	6210TCT002B	FILTER,EMC ACB2012M-300-T TDK
X001	156-A01L	RESONATOR,CRYSTAL SUNNY RADIAL 6.000MHZ
X201	156-A02M	RESONATOR,CRYSTAL KJE RADIAL 18.432MHZ
X501	6202VDB007B	RESONATOR,CRYSTAL SUNNY RADIAL 20.250MHZ
X702	166-E02E	RESONATOR,CRYSTAL CSBLA500KECZF02-B0 CSB500F2
X2801	156-A02W	RESONATOR,CRYSTAL KJE RADIAL 11059200HZ
Z103	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
Z106	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
Z114	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
Z117	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
Z129	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
Z142	166-F01G	FILTER,EMC DSS6NZ82A103Q93A DSS306-93FZ10
ACCESSORIES		
A1	3828VA0273J	MANUAL,OWNERS FS LG FR 058F TX 335A ,
A2	6710V00058F	REMOTE CONTROLLER EYE 43KEY
MISCELLANEOUS		
	180-836H	FOCUS PACK
	5006V00001A	CAP,MAIN2 V-0 GRADE VARISTOR COV
	6612VJV004A	JACK,RCA PPJ119A A/V 6P MONO
	6612VJV005A	JACK,RCA PPJ118A A/V 4P MONO
	6612VMV001A	JACK,SCART UPJ-R1-007 RGB21PIN

LOCA. NO	PART NO	DESCRIPTION
F801	0FT5001B51B	FUSE,TIME LAG5000MA 250V 5.2X20
JA1001	6613V00010B	JACK ASSY,PMJ016B A/V 3P + S-V
PA01P	6726VH0001A	REMOTE CONTROLLER RECEIVER 38KHZ
NT801	163-048D	THERMISTOR,KL15L2R5 15% 125V
NT802	163-048D	THERMISTOR,KL15L2R5 15% 125V
SK901	381-226L	SOCKET,CPT PCS628-03L(W/BAND)100K OHM
SK902	381-226L	SOCKET,CPT PCS628-03L(W/BAND)100K OHM
SK903	381-226L	SOCKET,CPT PCS628-03L(W/BAND)100K OHM
RL801	141-018F	RELAY,DG5D1-0-2 DAIICHI 5V 0.000106A
TU101	6700VPF013A	TUNER,TAUC-S120D LG PRECISION CO., L
"	6700VPF012A	TUNER,TAUC-M130D
TU102	6700VPF013B	TUNER,TAFC-S120P LG PRECISION CO., L
"	6700VPF012B	TUNER,TAFC-M130P
VA801	164-003D	VARISTOR,SVC561D-14A ILJIN 560V 10% UL/
VA802	164-003D	VARISTOR,SVC561D-14A ILJIN 560V 10% UL/

LOCA. NO	PART NO	DESCRIPTION

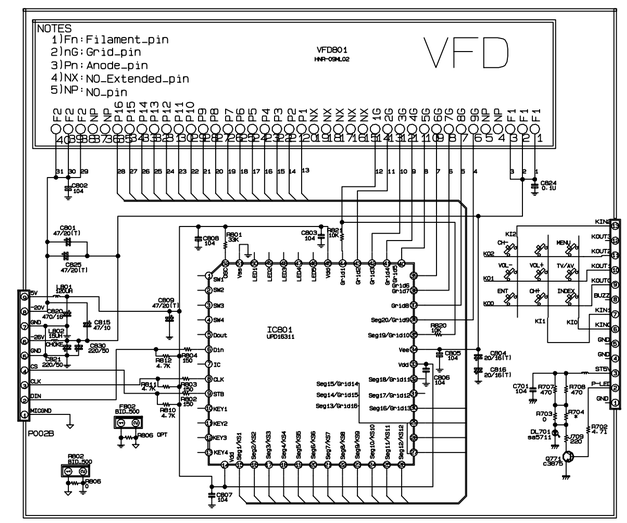
CIRCUIT DIAGRAM FOR MP015A CHASSIS



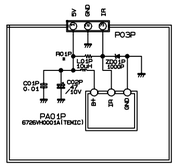
REF NAME	PE	PT	PL
R114(4.7K)	X	X	0
R135(4.7K)	X	X	0
C123(220U/16)	X	X	0
C135(220U/16)	X	X	0
Q106(C3198)	X	X	0
Q109(C3198)	X	X	0
R121(100)	X	X	0
C113(*)	X	X	0
Z114(103/100V)	X	X	0
R123(1K)	X	X	0
F101(T41.4)	0	X	X
Q105(C3198)	X	X	0

	4 SYSTEM (PT)		3 SYSTEM (PE)			SECAM 2 IN 1 (PL)	
SW / SYSTEM	SW1	SW2	SW1	SW2	SW / SYSTEM	SW1	SW2
PAL B/G	H	L	DO NOT SWICHING		PAL B/G	L	L
PAL I	H	L			SECAM L	H	L
PAL D/K	H	L			SECAM L'	H	H
NTSC M	L	H					

	R601 R604
48" 53"	1.1K
43"	3.3K



SIDE A/V

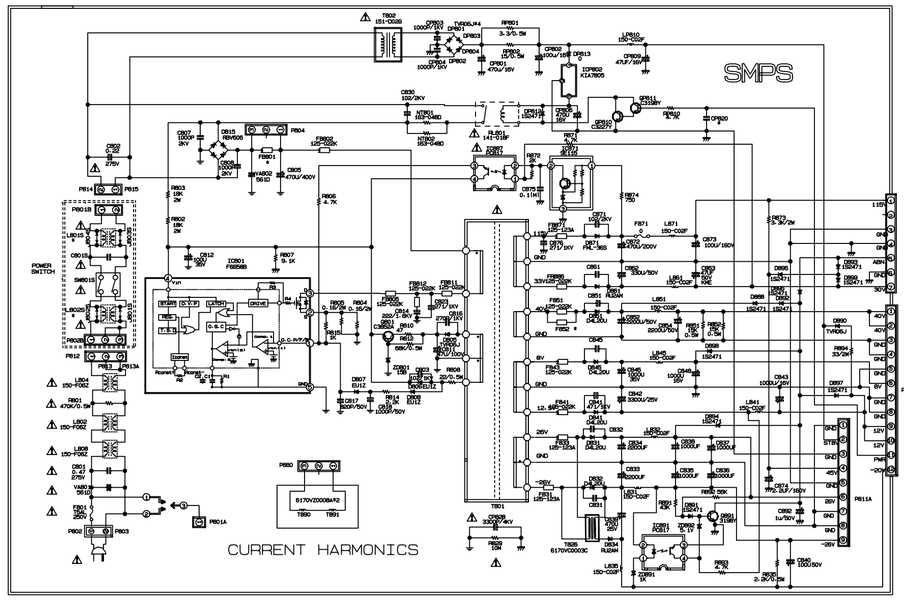


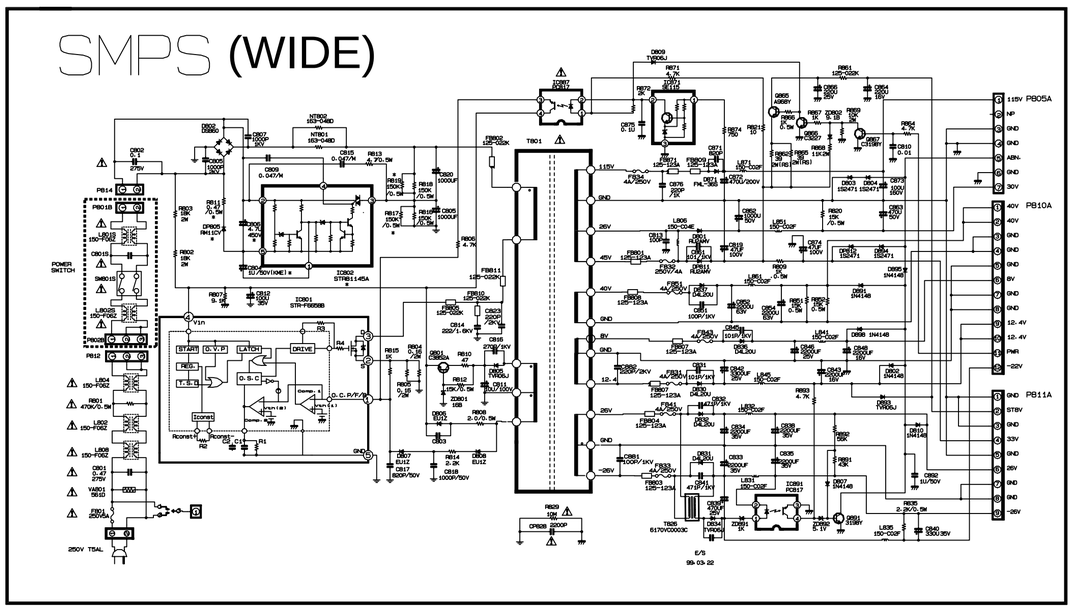
PRE AMP

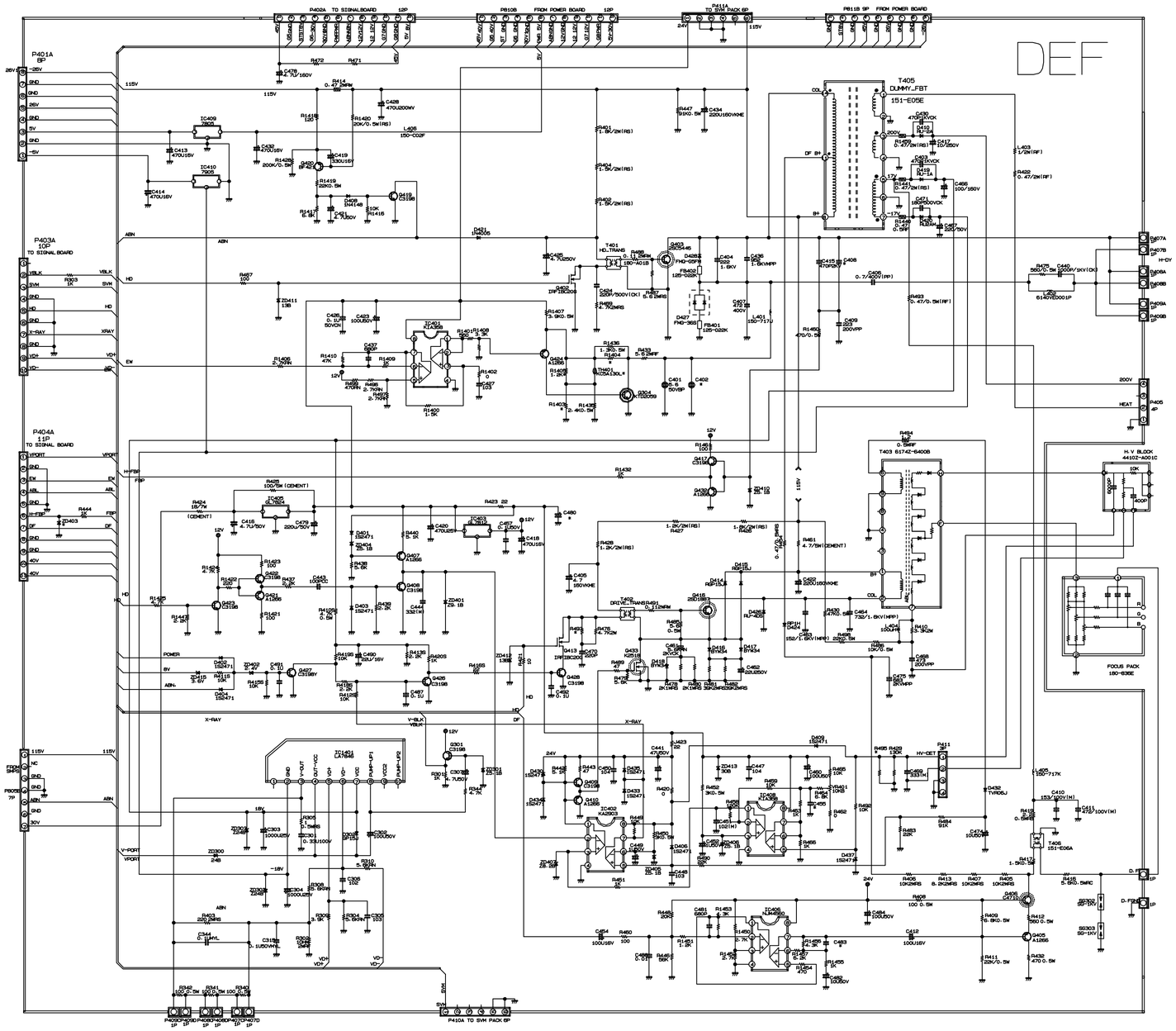
[MAIN, VFD, SIDE-AV, PRE-AMP]

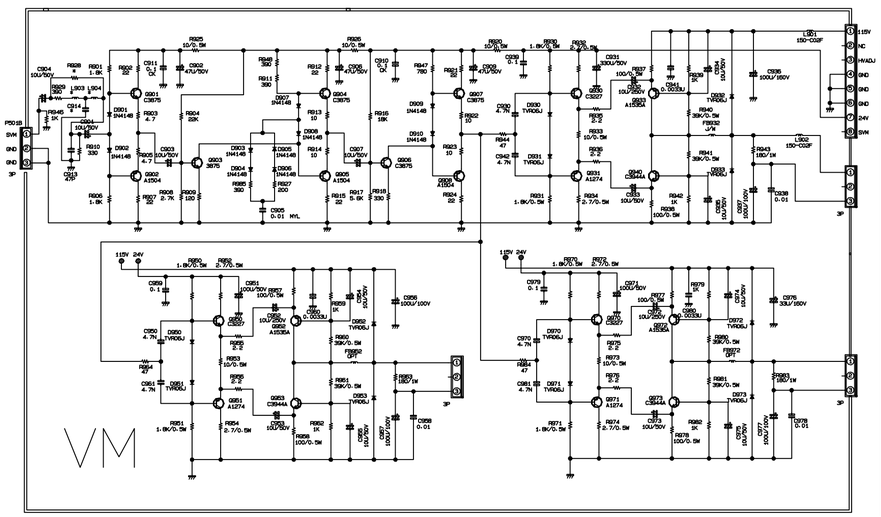
CIRCUIT DIAGRAM FOR MP015A CHASSIS

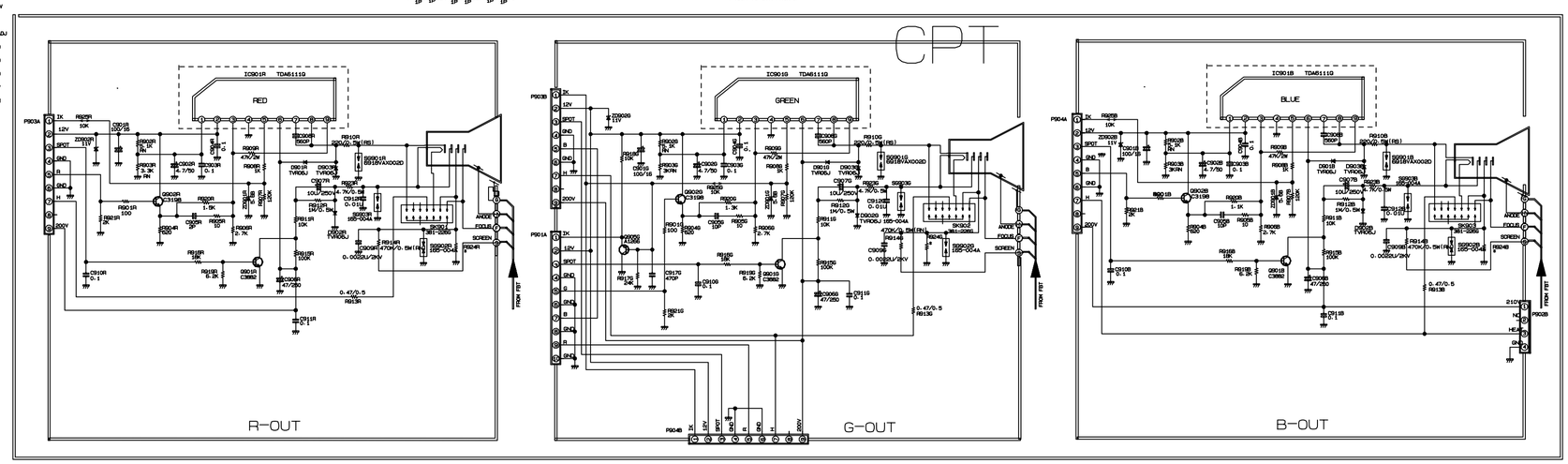
[SMPS, DEF, VM, CPT]





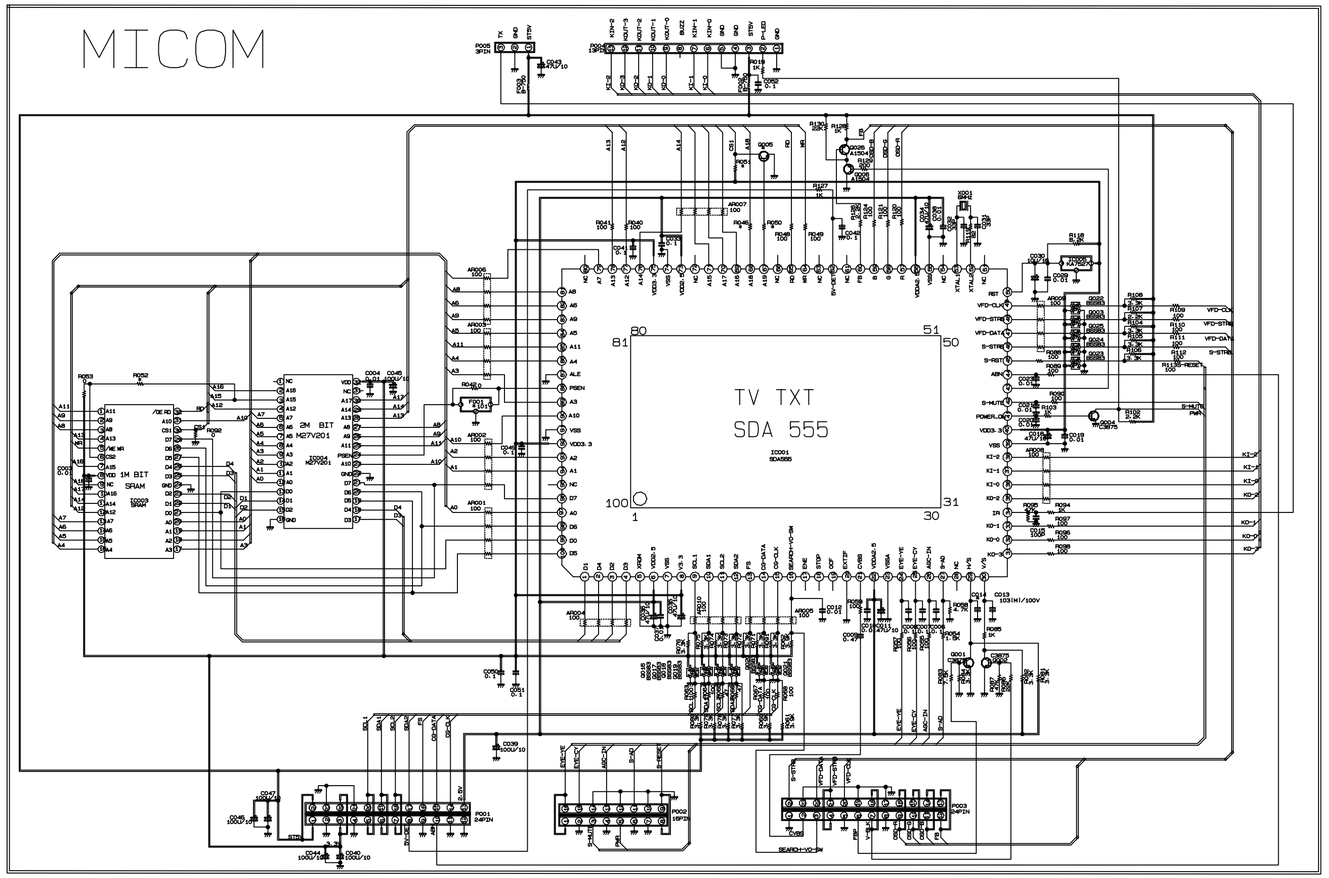




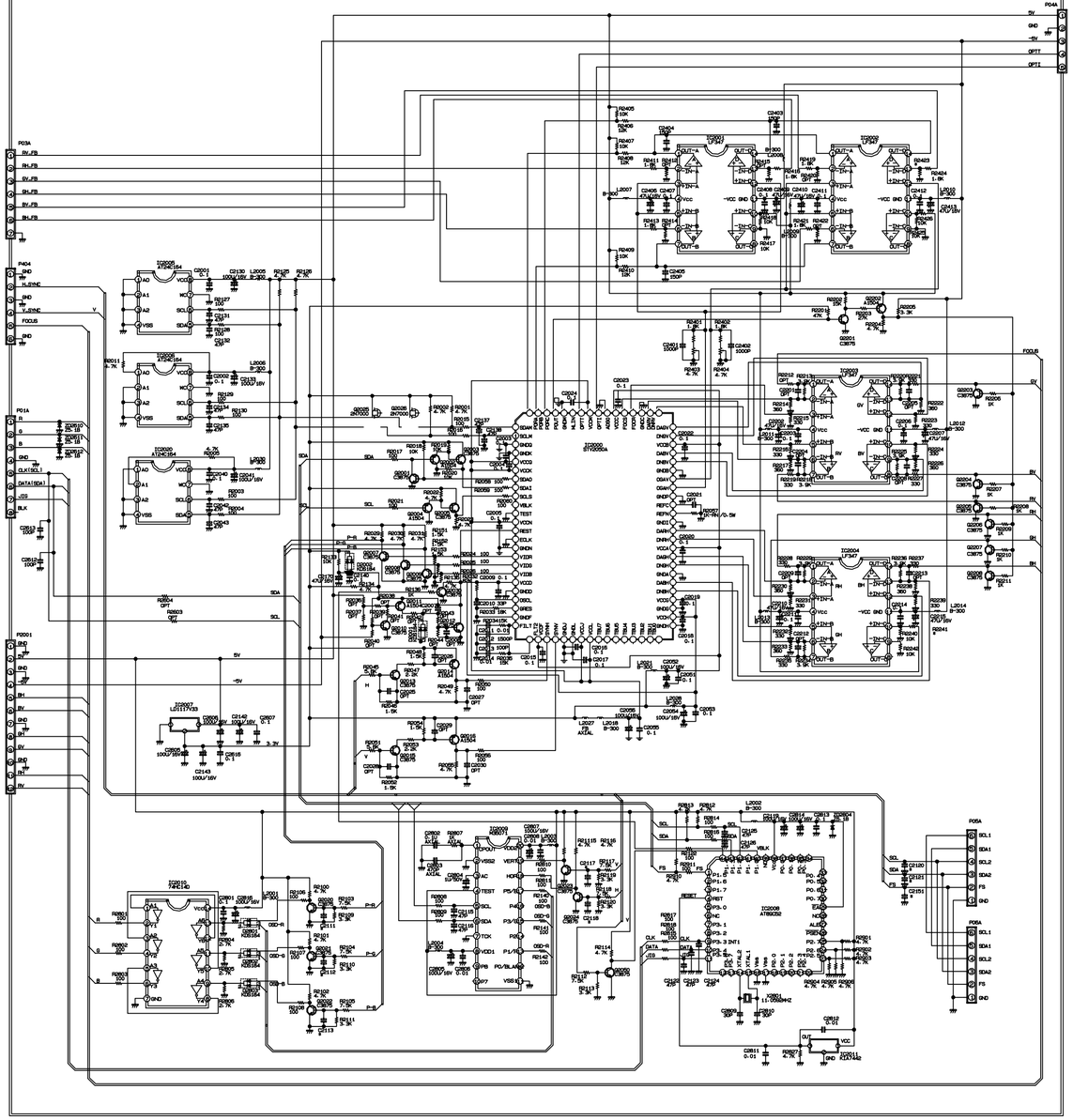


CIRCUIT DIAGRAM FOR MP015A CHASSIS

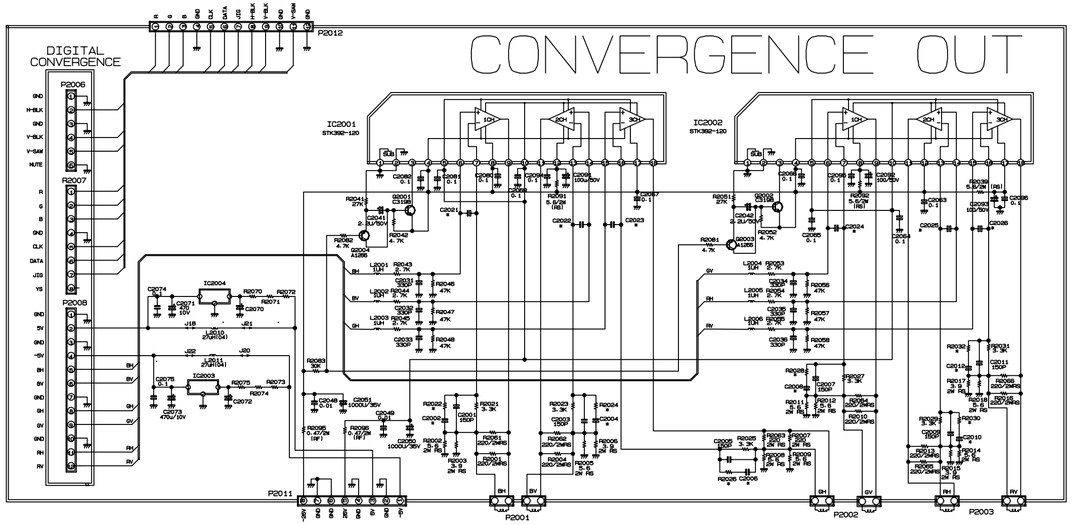
MICOM



DIGITAL CONVERGENCE



CONVERGENCE OUT



[MICOM, CONVERGENCE]

P201 CON12
9V S3 C3 Y3 R3 L3 V3
AV3-L
AV3-R
DVD-R
DTV-R
DTV-L
DVD-L
IC202 CXA2069Q
DVD/SOUND
VIDEO3
VIDEO2
VIDEO1
MONITOR-OUT
MAIN-OUT
DTV/SOUND
V_PIPOUT
A_HEADPONE
SCART3
SC1-V-IN
SC4-C-IN
SC4-V-IN
SC1-V-OUT
PIP-V-OUT
IC203 LA7222
IC204 LA7222
LA7222SW1
LA7222SW2
SC4-R-IN
SC4-L-IN
SC2-L-IN
SC2-R-IN
SC1-L-IN
SC1-R-IN
MONO-IN
SIF-IN
IC205
48"53" :MSP3452
43" :MSP3411
SCL2
SDA2
IC201 M62320P
IC207 KIA78L05
SC1-ID
SC2-ID
SC4-ID
BUSTER-SW
T-SEARSH-SW
SCART203 SCART3 (HALF)
SCART202 SCART2 (HALF)
SCART201 SCART1 (FULL)
ZD201 5.1V
ZD202 5.1V
ZD203 5.1V
P202 CON32
SC1-F/B
SC1-G
SC1-B
SC1-R
SC1-FB
SC2-L-OUT
SC2-R-OUT
SC4-L-OUT
SC4-R-OUT
S-AD
S-STRB
S-RESET
IC206 MSGE07
IC208 KIA7805
IC209 KA7542
X201 18.432M
P203 CON32
P204 B-501
P205 B-501
P206 B-501
P207 B-501
P208 KDS226
P209 B-501
P210 B-501
P211 B-501
P212 B-501
P501A R-OUT
P502B L-OUT
SPK-J201 EXT_SPK1
SPK-J202 EXT_SPK2
AUDIOJACK AUDIOJACK201
VIDEOJACK201 VIDEOJACK2
DVD-Y
DVD-Cb
DVD-Cr
DTV-Y
DTV-Pb
DTV-Pr
S-OUT
L-OUT
R-OUT
SPEAK-GND
EXTENAL_SPEAK_JACK
MP015A
PE/PL A/V (4/6)

	43"
SPK201	X
SPK202	X
R328	X
P501A	O
P502B	O

AV3

AV4

MNT/OUT

AV2

AV1

EXTENAL_SPEAK_JACK

MP015A

PT A/V (3/6)

MP015A 100HZ

IC501
VPC3230
[ADDR:8E/8F HEX]
MAIN
VIDEO PROCESSOR

IC502
VPC3230
[ADDR:88/89 HEX]
PIP
VIDEO PROCESSOR

IC704
SN74LS157D

IC702
CXA2100AQ
[ADDR:86]
DEFLECTION &
CPT DRIVE

IC706
SDA9410
DISP. PROCESSOR & SRC

MP-015A
100Hz (5/6)

SVC. SHEET : 3854VA0094A-S1
3854VA0094A-S2
3854VA0094A-S3